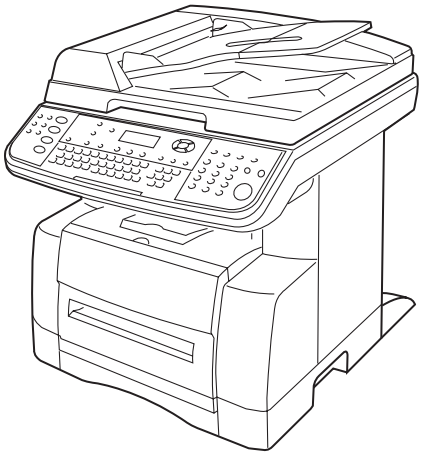
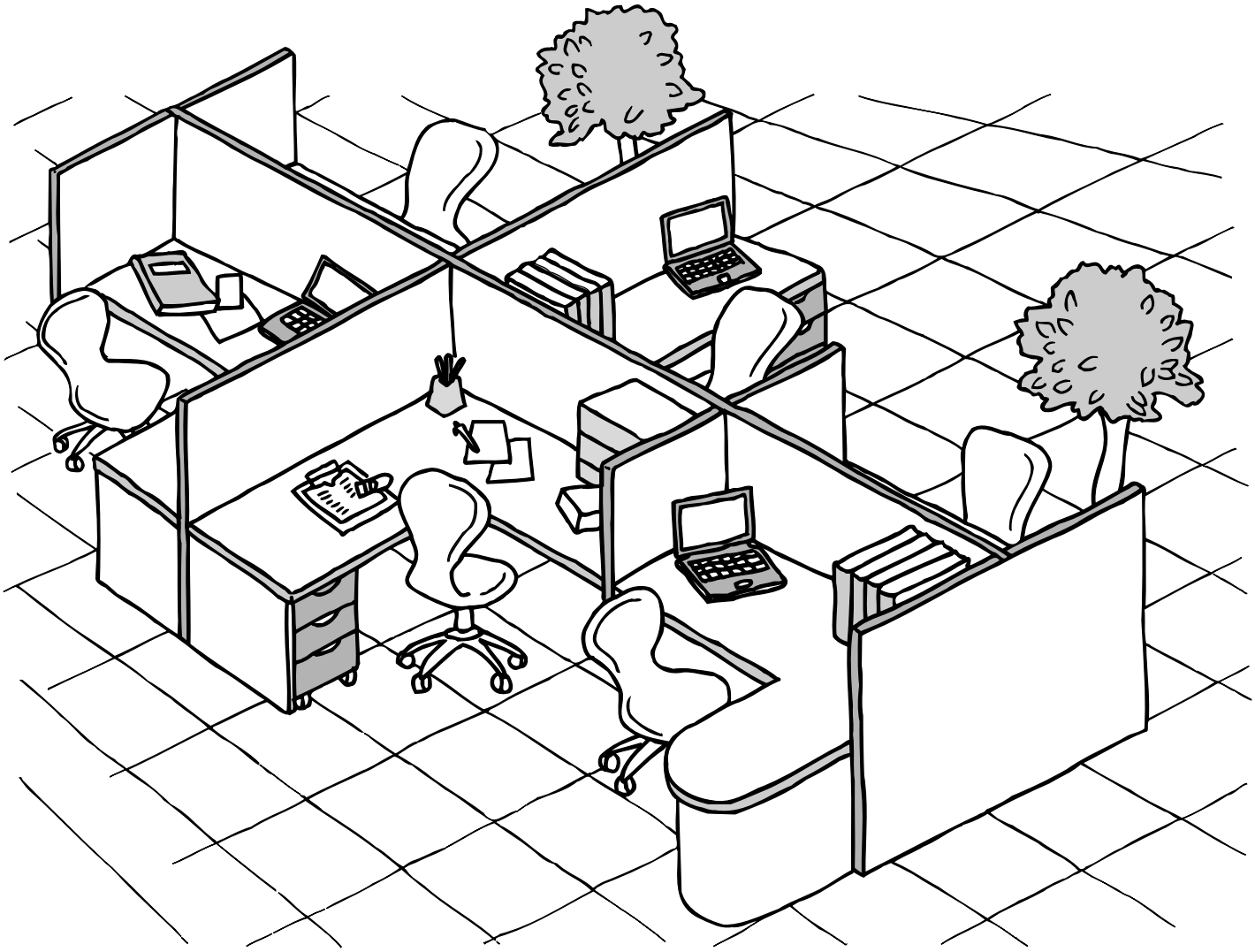
Panasonic®



Digital Imaging System
Operating Instructions
(For Copy & Network Scan Functions)

Model No. DP-190



WORKIO™

Before operating this equipment, please read these instructions completely and keep these operating instructions for future reference.

English

Getting To Know Your Machine

Useful Office Functions

Copy
- Copy up to Legal size originals.
- Capable of copying text/photos/ halftone originals.

Scan/File
- Monochrome/Color scanner capability.
- Scanning resolution up to:
  Monochrome : 600 dpi
  Color : 300 dpi
- A document can be scanned in Color.

Fax/Email
- Plain Paper High-speed Super G3 compatible Fax with JBIG compression.
- Quick-Scan
- Quick Memory Transmission
- Email Function capability.

Print
- Printer controller standard, printer resolution 300 or 600 dpi.

Application Software
- Document Manager
- Document Viewer
- Network Scanner
- Utilities (Network Status Monitor, Address Book Editor, Network Configuration Editor)
- Panafax Desktop

■ The following operating instruction manuals are provided for this machine, please use the correct manual when an operator intervention is necessary.

<Copy & Network Scan> Use the information provided on the enclosed CD whenever a Copy & Network Scan function requires intervention.
For example: How to make copies, add paper, replace the toner cartridge, etc.

<Facsimile & Internet Fax/Email> Use the information provided in the DP-190 Facsimile & Internet Fax/Email Operating Instructions manual whenever a Fax/Internet Fax function requires intervention.
For example: How to send/receive a Fax/Email, or when a trouble message appears, etc.

<Print & Other Advanced Functions> Use the information provided on the enclosed CD for an explanation of how to use as a Network Printer, Network Scanner, Edit Directory Dialing Feature, Device Settings, Network Status Monitor, and/or Document Management System.

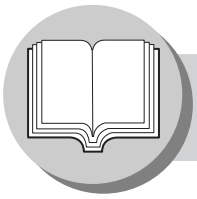
Multi-Tasking Job Table

Current Job / 2nd Job	Copy	Network Scanning (Monochrome/Color) Internet Fax		GDI/PCL/PS Printing		Facsimile (Sending)		Facsimile (Receiving)	
		Storing Document	Transmission	Receiving Data	Printing Received Data	Storing Document	Memory Transmission	Memory Receiving	Printing Received Memory Data
Copy									
Copy	–	–	●	●	△	–	●	●	△
Network Scanning (Monochrome/Color), Internet Fax									
Storing Document	–	–	●	●	●	–	●	●	●
GDI/PCL/PS Printing									
Receiving Data	●	●	●	●*	●	●	●	●	●
Printing Receive Document	☆	●	●	●	☆	●	●	●	☆
Facsimile (Sending)									
Storing Document	–	–	●	●	●	–	●	●	●
Memory Transmission	●	●	●	●	●	●	–	–	●
Facsimile (Receiving)									
Memory Receiving	●	●	●	●	●	●	–	–	●
Printing Received Memory Data	☆	●	●	●	☆	●	●	●	☆

●: Accepts and executes the 2nd Job.
△: Accepts and executes the 2nd Job (Copy) only if the Current Job is interrupted.
☆: Accepts the 2nd Job and executes the 2nd Job after the Current Job is completed.
–: Not applicable.

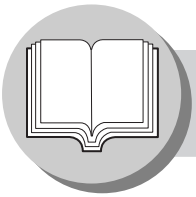
NOTE ∗: HDD (DA-HD19) and additional 16MB (minimum) Image memory are required.

Operating Instructions Outline



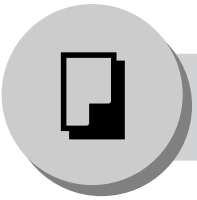
Getting To Know Your Machine

- Precautions (See pages 7-13)
- Quick Operation Chart, Adding Paper (See pages 14, 15)
- Problem Solving, Memory Full, Replacing Toner Cartridge, Removing a Misfed Paper, Error Codes (U Code/J Code) (See pages 15-21)



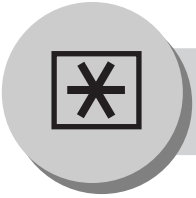
Before Starting

- Control Panel Key/Indicator Names (See pages 22, 23)



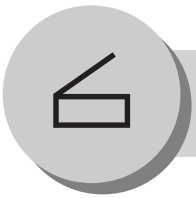
Making Copies

- Operating Instructions for making copies (See pages 24-33)



Function

- Changing the Initial Machine Modes
- General, Copier, Printer and Scanner Settings (See pages 34-45)



Network Scanner

- Document Scanning (See pages 46, 47)
- Address Book (See pages 48, 49)
- Function (See pages 50-51)
- Remote Copy (See pages 52-53)
- Direct Connection (with Crossover Cable) (See pages 54, 55)

Problem Solving

- Troubleshooting/Machine Care (See pages 56, 57)
- Replacing the Battery/Set the Date and Time (See pages 58, 59)

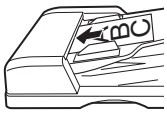
Appendix

- Specifications, Combined Function Table, Options and Supplies, etc. (See pages 60-64)

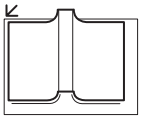
Getting To Know Your Machine

Symbols/Icons

The following Symbols/Icons are used throughout this operating instructions manual.



Place original(s) on the ADF



Place original on the Platen (Book)

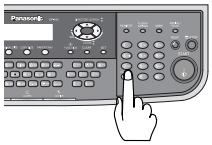
Place original on the Platen (Sheet)

Press any Hard Key on the Control Panel

Press Hard Key

Input numbers

● Number of Copies, etc.



Input text with a Keyboard

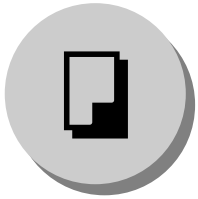
● Station Name, Directory Search, etc.

Go to next step

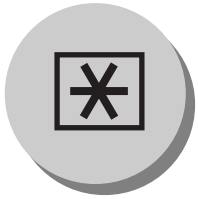
Go to next step (below)

5

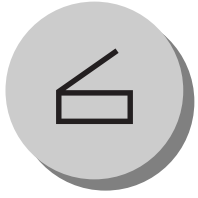
Getting to know your machine Before starting



When making copies



When setting the machine modes



When scanning document(s)

Problem solving

Appendix (Specifications, Index)

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Getting To Know Your Machine

Precautions

■ Laser Safety

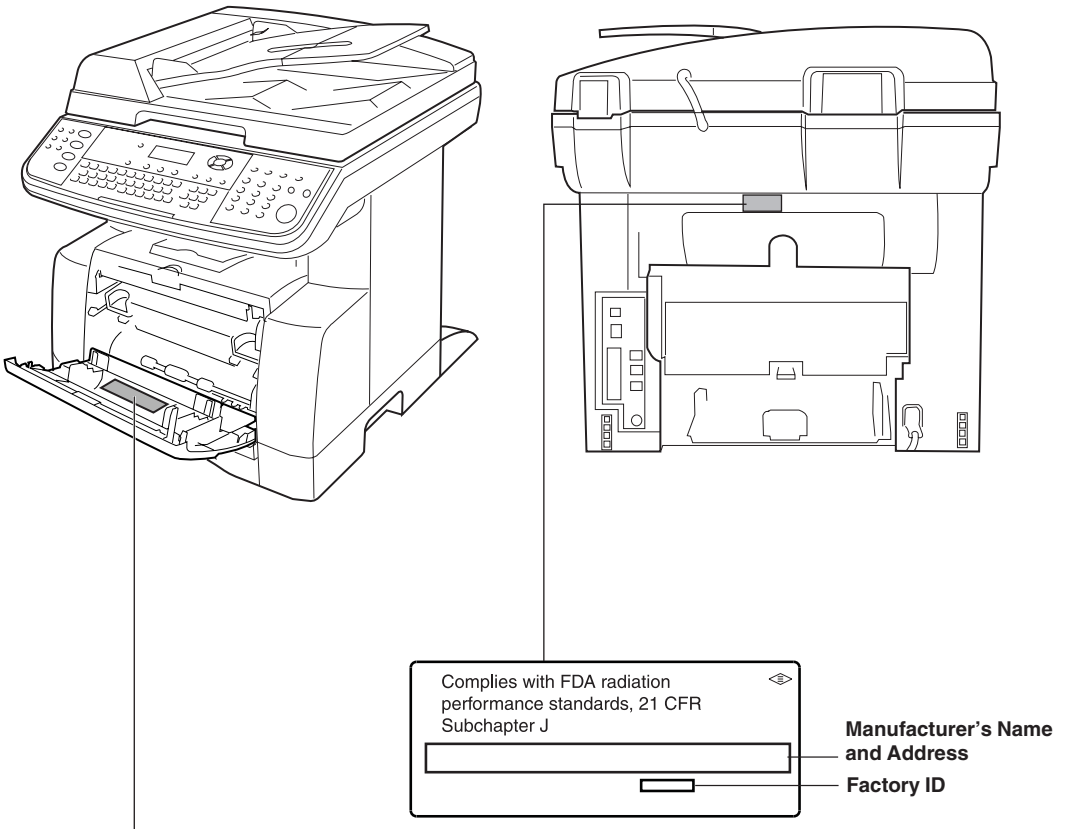
LASER SAFETY

This unit employs a laser. Only qualified service personnel should attempt to service this device due to possible eye injury.

CAUTION:

USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

■ Caution Label



CAUTION :	CLASS 3B INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO THE BEAM.
ATTENTION :	Rayonnement laser classe 3B invisible en cas d'ouverture et de défaut de sécurité. EXPOSITION DANGEREUSE AU FAISCEAU.
Vorsicht :	Um bei geöffneten Deckel den Austritt von Klasse 3B unsichtbare Laserstrahlung zu verhindern, muss die Stromversorgung des Lasers unterbrochen werden.
PRECAUCIÓN :	RADIACIÓN LÁSER DE CLASE 3B INVISIBLE CUANDO SE ABRE LA PUERTA CON EL BLOQUEO INVALIDADO. EVITE LA EXPOSICIÓN A LOS RAYOS.
VAROITUS :	LUOKKA 3B NÄKYMÄTÖNTÄ JA VAARALLISTA LASERSÄTEILYÄ, JOS LAITTEEN KANSI AVATAAN KESKEN SKANNAUKSEN JA SUOJALUKITUS OHITETAAN. VÄLTÄ SUORAA ALTISTUMISTA SÄTEELLE.
ADVARSEL :	KLASSE 3B USYNLIG LASERSTRÅLING NÅR ÅBEN OG SIKKERHEDSLÅS BRYDES. UNDGÅ EKSPONERING FOR STRÅLEN.
ADVARSEL :	KLASSE 3B USYNLIG LASERSTRÅLING NÅR MASKINEN ER ÅPEN OG SIKKERHETSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VARNING :	CLASS 3B OSYNLIG LASER ÖPPEN OCH NÄR SÄKERHETSSPÄRRAR ÄR URKOPPLADE. UNDVIK EXPONERING AV LASER
注意:	当打开本机及连锁装置失效时，为防止CLASS 3B不可见激光照射，请勿暴露在光柱下.
주의:	커버(덮개)가 열려 있거나 인터록이 파손된 경우 눈에 보이지 않는 클래스3B의 레이저 광선이 유출 될 수 있습니다. 레이저 광선에 노출되지 않도록 주의 하십시오. FBS8932B

Getting To Know Your Machine

Precautions

For Your Safety

To prevent severe injury and loss of life, read this section carefully before using the Panasonic DP-190 to ensure proper and safe operation of your machine.

■ This section explains the graphic symbols used in this Operating Instructions manual.

WARNING:
Denotes a potential hazard that could result in serious injury or death.

CAUTION:
Denotes hazards that could result in minor injury or damage to the machine.

■ This section also explains the graphic symbols used in this Operating Instructions manual.

These symbols are used to alert operators to a specific operating procedure that must not be performed.

These symbols are used to alert operators to a specific operating procedure that must be emphasized in order to operate the machine safely.

Installation and Relocation Cautions

CAUTION

Do not place the machine near heaters or volatile, flammable, or combustible materials such as curtains that may catch fire.

Do not place the machine in a hot, humid, dusty or poorly ventilated environment. Prolonged exposure to these adverse conditions can cause fire or electric shocks.

Place the machine on a level and sturdy surface that can withstand a weight of 48.5 lb (22kg). If tilted, the machine may tip-over and cause injuries.

When relocating the machine, contact your Service Provider.

When moving the machine, be sure to unplug the power cord from the outlet. If the machine is moved with the power cord attached, it can cause damage to the cord which could result in fire or electric shock.

Power and Ground Connection Cautions

WARNING

Ensure that the plug connection is free of dust. In a damp environment, a contaminated connector can draw a significant amount of current that can generate heat and eventually cause fire over an extended period of time.

Always use the power cord provided with your machine. When an extension power cord is required, always use a properly rated cord.
● 120 V/15 A
If you use a cord with an unspecified current rating, the machine or plug may emit smoke or become hot to the touch externally.

Do not attempt to rework, pull, bend, chafe or otherwise damage the power cord. Do not place a heavy object on the cord. A damaged cord can cause fire or electric shocks.

Never touch a power cord with wet hands. Danger of electric shock exists.

If the power cord is broken or insulated wires are exposed, contact your Service Provider for a replacement. Using a damaged cord can cause fire or electric shocks.

Stop operation immediately if your machine produces smoke, excessive heat, unusual noise, or smell, or if water is spilt onto the machine. These conditions can cause fire. Immediately switch Off and unplug the machine, and contact your Service Provider.

Do not disconnect or reconnect the machine while it is on. Disconnecting a live connector can deform the plug and cause fire.

When disconnecting the machine, grasp the plug instead of the cord. Forcibly pulling on a cord can damage it and cause fire or electric shock.

When the machine is not used over an extended period of time, switch it Off and unplug it. If an unused machine is left connected to a power source for a long period, degraded insulation can cause electric shocks, current leakage or fire.

Be sure to switch Off and unplug the machine before accessing the interior of the machine for cleaning, maintenance or fault clearance. Access to a live machine's interior can cause electric shock.

Be sure to switch Off and unplug the machine before accessing the interior of the machine for accessing interface cables, maintenance or fault clearance. Access to a live machine's interior can cause electric shock.

Once a month, unplug the machine and check the power cord for the following. If you notice any unusual condition, contact your Service Provider.

- The power cord is plugged firmly into the receptacle.
- The plug is not excessively heated, rusted, or bent.
- The plug and receptacle are free of dust.
- The cord is not cracked or frayed.

Others

- The machine has a built-in circuit for protection against lightning-induced surge current. If lightning strikes in your neighborhood, switch Off the machine. Disconnect the power cord from the machine and reconnect only when the lightning has stopped.
- If you notice flickering or distorted images or noises on your audio-visual units, your machine may be causing radio interference. Switch it Off and if the interference disappears, the machine is the cause of the radio interference. Perform the following procedure until the interference is corrected.
  - Move the machine and the TV and/or radio away from each other.
  - Reposition or reorient the machine and the TV and/or radio.
  - Unplug the machine, TV and/or radio, and replug them into outlets that operate on different circuits.
  - Reorient the TV and/or radio antennas and cables until the interference stops. For an outdoor antenna, ask your local electrician for support.
  - Use a coaxial cable antenna.

Operating Safeguards

⚠ WARNING

Do not touch areas where these caution labels are attached to, the surface may be very hot and may cause severe burns.

Do not place any liquid container such as a vase or coffee cup on the machine. Spilt water can cause fire or shock hazard.

Do not place any metal parts such as staples or clips on the machine. If metal and flammable parts get into the machine, they can short-circuit internal components, and cause fire or electric shocks.

If debris (metal or liquid) gets into the machine, switch Off and unplug the machine. Contact your Service Provider. Operating a debris-contaminated machine can cause fire or electric shock.

Never open or remove machine covers that are secured with screws unless specifically instructed in the "Operating Instructions". A high-voltage component can cause electric shocks.

Do not try to alter the machine configuration or modify any parts. An unauthorized modification can cause smoke or fire.

Getting To Know Your Machine

Precautions

⚠ CAUTION

Do not place a magnet near the safety switch of the machine. A magnet can activate the machine accidentally, resulting in injuries.

Do not use a highly flammable spray or solvent near the machine. It can cause fire.

When copying a thick document, do not use excessive force to press it against the document glass. The glass may break and cause injuries.

Never touch a labelled area found on or near the heat roller. You can get burnt. If a sheet of paper is wrapped around the heat roller, do not try to remove it yourself to avoid injuries or burns. Switch Off the machine immediately, and contact your Service Provider.

Do not use conductive paper, e.g. folding paper, carbonic paper and coated paper. When a paper jam occurs, they can cause a short circuit and fire.

Do not place any heavy object on the machine. An off-balance machine can tip-over or the heavy object can fall, causing damage and/or injuries.

Keep the room ventilated when using the machine for an extended period of time to minimize the ozone density in the air.

When copying with the document cover open, do not look directly at the exposure lamp. Direct eye exposure can cause eye fatigue or damage.

Pull out paper trays slowly to prevent injuries.

When removing jammed paper, make sure that no pieces of torn paper are left in the machine. A piece of paper remaining in the machine can cause fire. If a sheet of paper is wrapped around the heat roller, or when clearing a jammed paper that is difficult or impossible to see, do not try to remove it by yourself. Doing so can cause injuries or burns. Switch Off the machine immediately, and contact your Service Provider.

Others

■ When clearing a paper jam or other fault, follow the appropriate procedure given in the Operating Instructions.

Consumable Safeguards

⚠ WARNING

Never throw a toner cartridge into an open flame. Toner remaining in the cartridge can cause an explosion and you can get burnt.

Never throw toner or a waste toner container or a toner cartridge into an open flame. It can cause an explosion and you can get burnt.

Keep button batteries out of the reach of children. If a button battery is swallowed accidentally, get medical treatment immediately.

⚠ CAUTION

Never heat the drum cartridge, or scratch its surface. A heated or scratched drum can be hazardous to your health.

Do not mix new and old batteries together. Otherwise, batteries can burst or leak, causing fire or injuries.

Be sure to use the specified type of batteries only.

Ensure that batteries are installed with correct polarity. Incorrectly installed batteries can burst or leak, resulting in spillage or injuries.

For Your Safety

■ The maximum power consumption is 900 W.
A properly wired (grounded), dedicated, 15A, 120V AC outlet is required. Do not use an extension cord.
The power cord on this machine must be used to disconnect the main power.
Please ensure that the machine is installed near a wall outlet and is easily accessible.

Caution Note: Unplug the power cord from the wall outlet before removing covers.

Supplies

■ Store the Toner Cartridge and paper in cool areas with low humidity.
- Use high quality 16 - 28 lb (Sheet Bypass: 16 - 44 lb) paper.
- For optimum performance, it is recommended that only Panasonic Brand supplies are used in the machine.
- Certain types of transparency film may not be compatible and may damage your machine. Consult with an authorized Panasonic dealer for advice regarding non-standard paper types. (Panasonic has tested "3M CG3300" transparency film and found it to be compatible.)
- Panasonic recommends using high quality 16 - 28 lb paper, using an inferior paper may cause excessive paper curl, requiring you to empty out the Output Tray more often to avoid paper jams.

■ Use of other than genuine Panasonic supplies can damage the printer. This may void the warranty of the printer and supplies. Be sure to use only genuine Panasonic Toner Cartridge (DQ-UG17H) designed for the machine. Average yield for the DQ-UG17H is approximately 5,000 pages (5% coverage).

Note: Average yield is based on 5% coverage of the printable area with repetitive printing of 10 pages (Letter/A4 size, single side printing, default density). The yield of a Toner Cartridge varies depending on the coverage, temperature, humidity, media, etc. Therefore, the average yield cannot be guaranteed. Continuously printing 10% coverage of printable area will reduce the yield of the Toner Cartridge to about half as compared to 5% coverage printing. The maximum yield of the Toner Cartridge will not exceed 6,000 pages.

Installation

■ The machine should not be installed in areas with the following conditions:
- Extremely high or low temperature and humidity.
  Ambient conditions Temperature: 50 – 86 °F
  Relative humidity: 30 – 80 %
- Where temperature and humidity can change rapidly, causing condensation.
- Direct exposure to sunlight.
- In areas of high dust concentration.
- In areas with chemical fume concentration.
- With unstable or uneven conditions (floors, etc.).
- Directly in the air conditioning flow.
- In areas of poor ventilation.
- In areas with extreme vibration.

Illegal Copies

It is unlawful to make copies of certain documents.

Copying certain documents may be illegal in your country. Penalties of fines and/or imprisonment may be imposed on those found guilty. The following are examples of items that may be illegal to copy in your country.

- Currency
- Bank notes and checks
- Bank and government bonds and securities
- Passports and identification cards
- Copyright material or trademarks without the consent of the owner
- Postage stamps and other negotiable instruments

This list is not inclusive and no liability is assumed for either its completeness or accuracy.
In case of doubt, contact your legal counsel.

Notice:
Install your machine near a supervised area to prevent illegal copies from being made.

Ventilation

■ The machine should be installed in a well-ventilated area to minimize the ozone density in the air.

WARNING For USA

FCC WARNING:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

1. Reorient or relocate the receiving antenna.
2. Relocate the fax machine with respect to receiver or other equipment.
3. Connect the fax machine into outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Warning: To assure continued compliance, use only USB shielded interface cable when connecting this product to host computer. Also any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Responsible Party: Matsushita Electric Corporation of America
One Panasonic Way, Secaucus, NJ 07094

FCC Inquiries Only: Panasonic Digital Document Company/Technical Support Department
Two Panasonic Way, Secaucus, NJ 07094
1-800-225-5329 (see **Note** below)
Email: consumerproducts@panasonic.com

Note: For Technical Support, please contact your Authorized Panasonic selling dealer.

This product has a fluorescent lamp that contains a small amount of mercury. It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations.

For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance: <http://www.eiae.org >.

Handling

■ Do not turn the Power Switch Off or open the Front Cover during copying/printing.
■ Energy Saver Mode Notice
● The following functions will not work if the Energy Saver Mode setting is set to the Shutdown mode.
When using any of the following functions, we recommend that you leave the Energy Saver Mode in the initial factory default setting (Sleep mode). (See page 36)
• Printer Function (USB Local and Network Connections)
• Internet Fax/Email Function
• Facsimile Function
When the LAN cable is not connect and DHCP DEFAULT is "VALID" (See page 37)

■ Key Operator Password

● The Initial Machine Modes can be checked or changed with the Function Modes, however, these modes require the Key Operator Password.

For Key Operator : When setting up this machine, please consult with the authorized service provider, and decide on the Key Operator Password together, then record it and keep it in a safe place for future reference.

■ Dept. (Departmental) Code

1 to 8-digit

When the Department Counter function is set up, the Dept. (Department) Code input screen is displayed on the LCD Display. A registered Department Code (1 to 8-digit) is required to gain access to each secured function, or the secured Copy/ Fax/Scanner function(s) cannot be used. Please consult with the Key Operator regarding the Department Code(s) for the desired function.

Procedures :

① Input a registered department code (1 to 8-digit).
② Press the SET or START Key.

■ Number of Copies

The maximum number of copies is up to 999 (3 digit with keypad). During the copy mode, if you input 4-8 digit numbers, they will be interpreted as being a phone number and displayed on the LCD, then the machine will switch to the Fax mode.

■ Memory Full

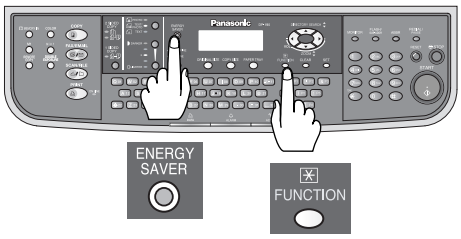
If the memory becomes full during original scanning, the message “MEMORY FULL CONTINUE? 1:YES 2:NO” will be displayed on the LCD. If this occurs, follow the instructions on the LCD. If this occurs frequently, adding optional memory is recommended, consult with an authorized service provider.

■ Maximum Copies Limitation

After setting the maximum allowed number of copies for each department (see page 44), consult with your Key Operator when the total copy count reaches the designated limit and the “DEPT.MAXIMUM COPIES HAS BEEN REACHED” message appears on the LCD.

■ Power Switch

If the Hard Disk Drive Unit (DA-HD19) is installed, to prevent a Scan Disk Function from being performed (similar to Windows OS when the power is abruptly interrupted), it is important to follow the step sequence below when turning OFF the Power Switch on the machine.



1. If the machine is in the “ENERGY SAVER (Shutdown Mode)”, you may turn the Power Switch on the Left Side of the machine to the OFF position. If it is not in the “ENERGY SAVER (Shutdown Mode)”, continue to step 2 below.
2. Press “FUNCTION” and “ENERGY SAVER” keys simultaneously first. The Energy Saver Key will light.
3. Turn the Power Switch on the Left Side of the machine to the OFF position.

■ Auto Reset Time

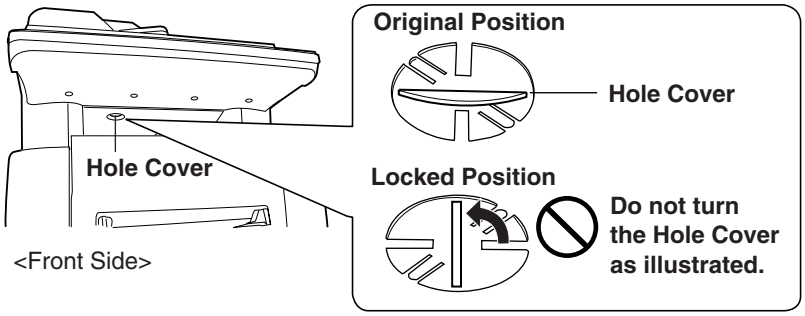
As the initial setting for Auto Reset Time is 1 minute, selected default operation mode backs to default operation mode after 1 minute. If you wish to change Auto Reset Time, consult your Key operator. (See page 36)

■ DHCP (Dynamic Host Configuration Protocol)

If your machine fails to log onto the DHCP Server, the message "DHCP NOT RESPONDING 1:RETRY 2:DISABLE" will be displayed on the LCD. User intervention is required to continue operation. Check your LAN connection and press **1** to Retry or **2** to Disable the DHCP Server validation.

■ Hole Cover

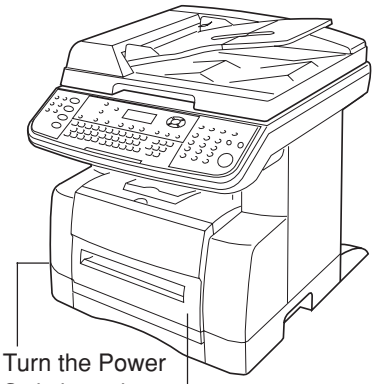
Do not turn the Hole Cover.
When the Hole Cover is turned from original position to the locked position, documents cannot be copied from the Platen Glass.



Getting To Know Your Machine

Operation Chart

■ Quick Operation Chart



Turn the Power Switch on the Left side of the machine to the ON position.

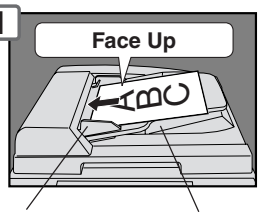
Adding Paper

From ADF

or

From Platen

1

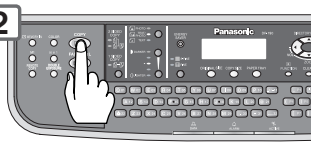


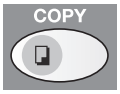
Original Guides* Adjust to the original's width

Tray (Max. 50 Letter size originals)

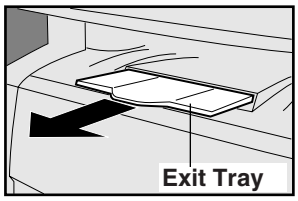
* Hold the guides by the center when adjusting the width.

2



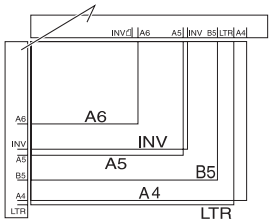


If set in other function mode



Pull the Exit Tray until it stops.

Original Guides



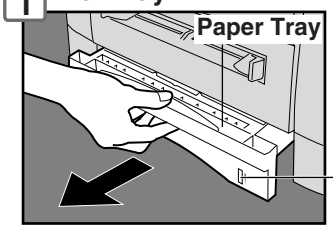
INV: Invoice, LTR: Letter

Face Down

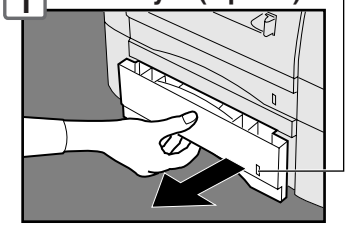
- If the original is not positioned properly, a portion of the original may not be copied.
- For originals smaller than Invoice size, position the original within the Invoice area and select Invoice.

● Adding Paper (Paper Trays: Tray-1 and Tray-2)

1 **For Tray-1**

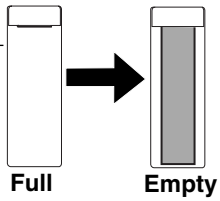


1 **For Tray-2 (Option)**



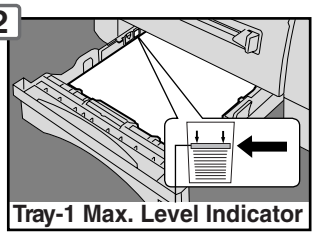
The Paper Level Indicator moves down as paper level declines, warning you that the paper is running out.

Paper Level Indicator (Orange)

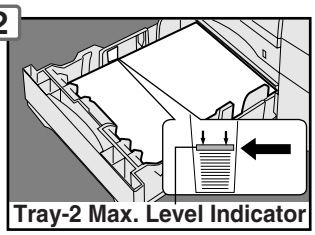


NOTE: When “ADD PAPER” message appears on the display, Tray-1 or Tray-2 have either ran out of paper or are not closed firmly (see page 21). Replenish the paper in the tray(s) or ensure that the tray(s) are closed.

2



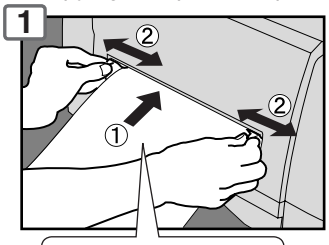
2



● Adding Paper (Sheet Bypass)

Copying on Special Paper, etc.

1

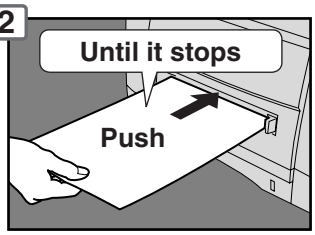


① Feed 1 sheet of paper at a time.
Paper Weight: 16 - 44 lb

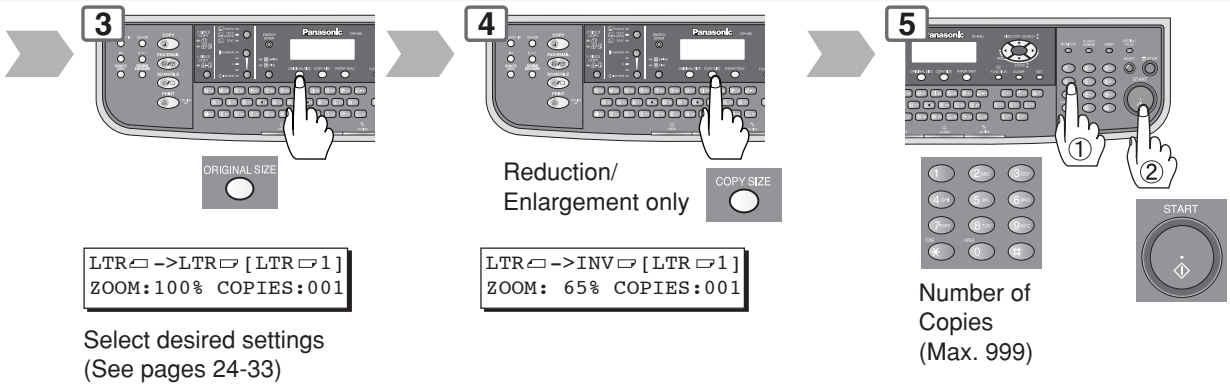
② Adjust the width guides.
Incorrect adjustment may cause the paper to wrinkle, misfeed or skew.

NOTE: For envelope printing refer to the Panasonic-DMS Operating Instructions manual included on the CD.

2



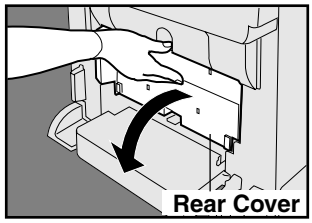
Do not press Start until the LCD displays the “paper size” with an “ * ”. Press the " * " key to select another size.



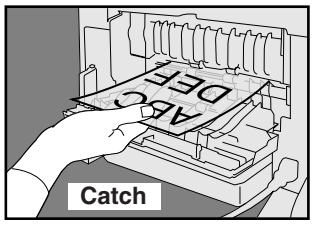
Select desired settings
(See pages 24-33)

■ Copying onto Transparency Film (OHP), Thick Paper Stock, etc. (except thin paper)

Before Pressing Start Key



Making Copies

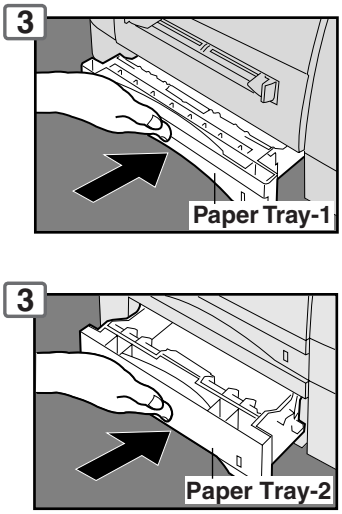


① Open Rear Cover.
② Catch the ejected copy (do not pull).
③ When finished, close the Rear Cover.

NOTE:
Do not open the Rear Cover when copying thin paper as it may cause a paper jam.

For Tray-1
Load Paper: Face Down
Paper Weight: 16 - 28 lb
(2-Sided Copy:
20 - 24 lb)
Paper Capacity: 250 Sheets (20 lb)

For Tray-2
Load Paper: Face Down
Paper Weight: 16 - 28 lb
(2-Sided Copy:
20 - 24 lb)
Paper Capacity: 550 Sheets (20 lb)



Firmly close the Paper Tray.

NOTE:
1) To prevent paper jams or other problems, adjust the paper guides (Length & Width) when loading paper into the tray.
2) When changing the paper size, refer to page 42.
3) Make sure that the paper is set properly and that it does not exceed the Tray-1/ Tray-2 Max. Level indicator.
4) When replenishing paper into Tray-2, please see page 21.

NOTE:
1) When changing the paper size, refer to page 42.
2) Feeding paper into the Sheet Bypass at the same time when the copying/printing has started and paper is feeding from either Tray 1 or Tray 2, will show "REMOVE MISFED PAPER J00" message on the LCD display. When this occurs, remove the paper from the Sheet Bypass to reset the jam indication then resume copying/printing.
3) Do not leave a paper in the Sheet Bypass as paper jam indication may display.

■ Problem Solving

Adding Paper (See pages 14 and 21)
Replacing Toner Cartridge (See page 16)
Removing a Misfed Paper (See page 18)
U## (User Error Code) (See page 20)
J## (Jam Error Code) (See page 20)
E## (Machine Error Code) (Call your Service Provider)
Maximum Copies Limitation (See page 13)

■ Problem Solving

● Replacing Toner Cartridge and/or Drum Unit

Low Toner Warning
Low Toner message will follow this progression:
(Replace the Toner Cartridge before toner runs out)

① `TONER IS RUNNING LOW U13`
Toner is Low.
Machine can make less than 500 copies*.
* Based on 5% coverage (see page 11)

② `WARNING TONER LOW LESS THAN 50 PAGES`
Toner is nearly Empty.
Machine can make less than 50 copies.

③ `OUT OF TONER U13`
Toner is Empty.
Machine stops.

NOTE: When printing a large quantity of printouts or copies, the LCD may skip directly to message ③ above.

Drum Life Warning
When the Drum Unit reaches its replacement cycle, the following message will be shown on the LCD.

`REPLACE DRUM UNIT`
Replace the Drum Unit.
• The Drum Unit (DQ-UH35H) yield is approximately 20,000 pages.

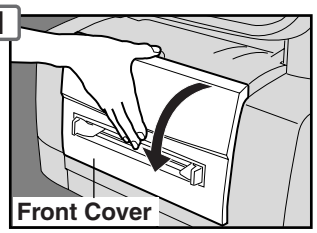
Order Form for Toner Cartridge and/or Drum Unit.
To order the Toner Cartridge and/or Drum Unit, print the desired Order Form as shown below, and Fax the completed form to your authorized servicing dealer.

If the unit is in other than Copy Mode, press the COPY Key.
Press the FUNCTION Key on the Control Panel.

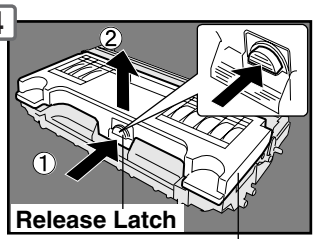
▼
`FUNCTION MODE (1-2)`
`ENTER NO. OR v ^`
▼ Press "1" and SET Keys.
`GENERAL PARAM.(0-9)`
`ENTER NO.▮ OR v ^`
Press "6" and SET Keys.
▼
`SUPPLY FORMS?`
`1:TONER 2:DRUM`
Press "1" or "2" Key to print the desired Order Form.
▼
"1"
Toner Cartridge Order Form
"2"
Drum Unit Order Form

(ATTENTION)
● For optimum copy quality use the recommended Panasonic Toner Cartridge. Store Toner Cartridge in a cool dark place.

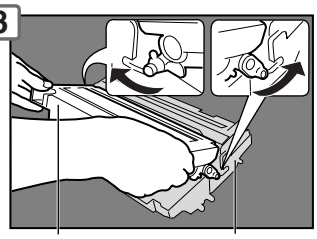
1



4

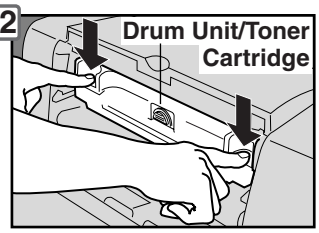


8



* Please use the old Toner Cartridge which was removed in step 4 if it's usable.

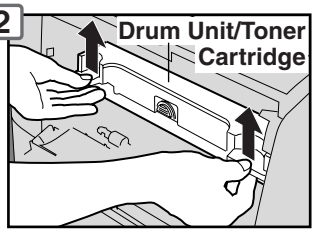
12



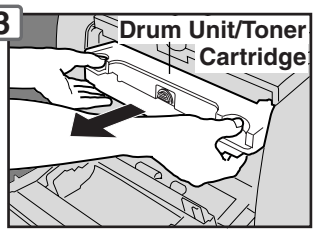
16

`FUNCTION MODE (1-2)`
`ENTER NO.▮ OR v ^`
Press "1" and SET Keys.

2



3

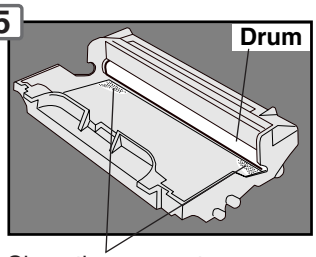


① **To replace the Toner Cartridge:**
Perform steps (4 - 14). (Skip step 6)
② **To replace the Drum Unit:**
Perform steps (4 - 18).
(Skip steps 5, 7 and 10)
③ **To replace the Toner Cartridge and Drum Unit:**
Perform steps (4 - 18).

→ 4

To replace the Toner Cartridge only:

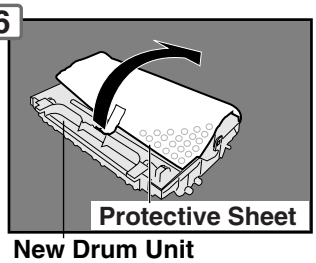
5



Clean the excess toner with a soft cloth.

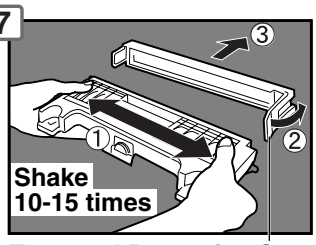
To replace the Drum Unit:

6



New Drum Unit

7



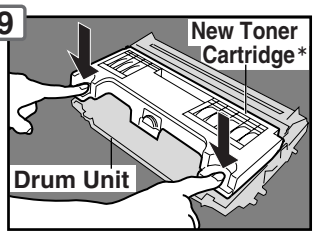
Tape and Protective Cover

ATTENTION
● Do not remove the protective cover unless you are ready to use it.

→ 8

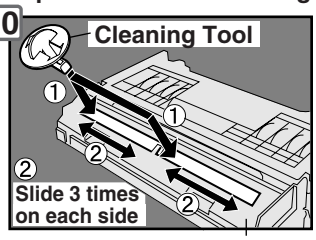
ATTENTION
● Be careful not to scratch the surface of the Drum Unit (Green), and not to touch it with bare hands.

9



To replace the Toner Cartridge only:

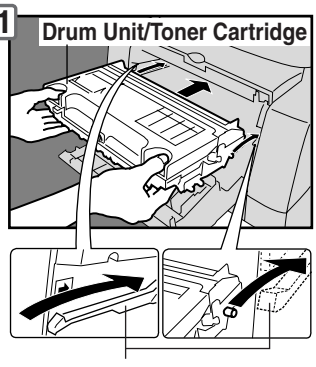
10



Drum Unit/Toner Cartridge
A cleaning tool is included with the Toner Cartridge.

NOTE:
Keep this Cleaning Tool for future use.

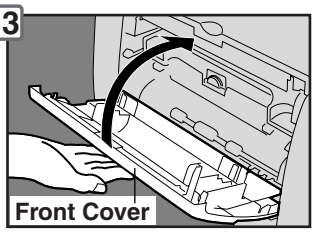
11



Guide Rails
Place the Drum Unit/Toner Cartridge over the Guide Rails and insert it until it stops.

→ 12

13



14 When Toner Cartridge has been replaced.

```
NEW TONER REPLACED?
1:YES 2:NO
```

1: Select "1: YES" if a new toner cartridge was installed.
2: Select "2: NO" in all other cases.

15 **Perform steps (15 - 18) for Drum Replacement only:**
If the unit is in other than Copy Mode, press the COPY Key.
Press the FUNCTION Key on the Control Panel.

→ 16

17

```
GENERAL PARAM.(0-9)
ENTER NO.▌ OR ∨ ∧
```

Press "5" and SET Keys.
5: Drum Replacement

18 When Drum Unit is replaced.

```
DRUM REPLACEMENT?
1:YES 2:NO
```

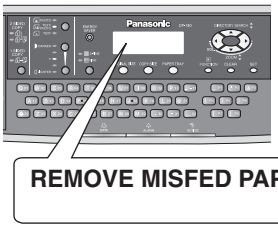
① Press "1" Key.
② Press RESET Key on the Control Panel.

Getting To Know Your Machine

Operation Chart

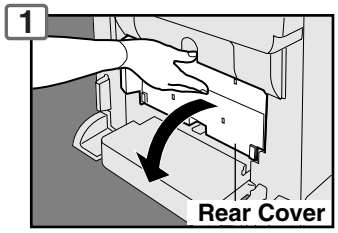
■ Problem Solving

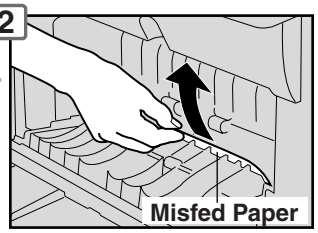
● Removing a Misfed Paper (Paper Feed/Paper Transport/Automatic Duplex Unit Area)



(Ex.)

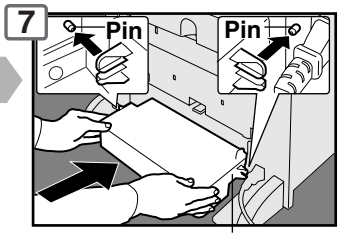
J44, J82, J83:





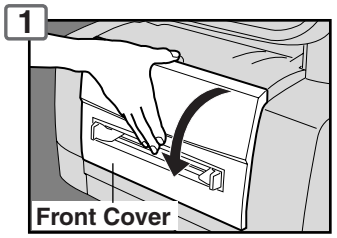
NOTE:
The J## Code indicates the most probable Jam location. If the jam message reappears after the jam is cleared, paper is most likely jammed at other location(s). Check the Jam Error Codes Table on page 20 for other check points and remove all misfed paper.

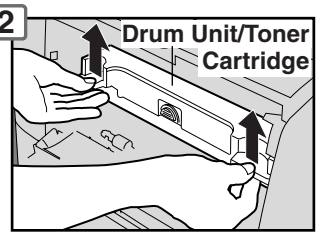
(Rear Side)

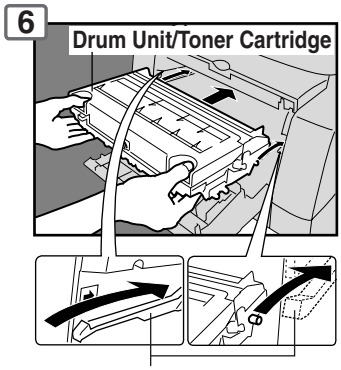


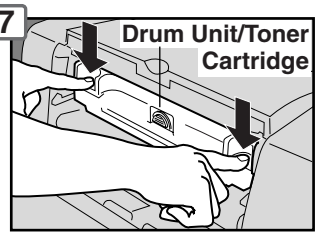
Rear Paper Tray Cover

J43, J44, J80:





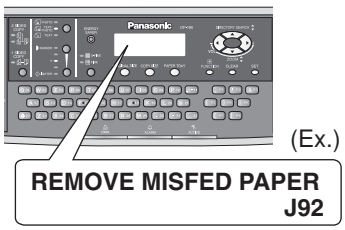




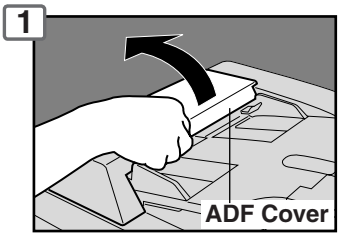
Guide Rails

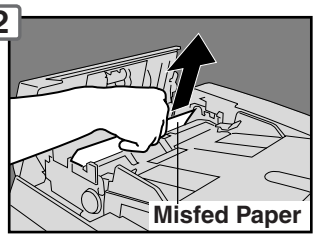
Place the Drum Unit/Toner Cartridge over the Guide Rails and insert it until it stops.

● Removing a Misfed Paper (ADF) : J70, J71, J79, J90, J92, J93

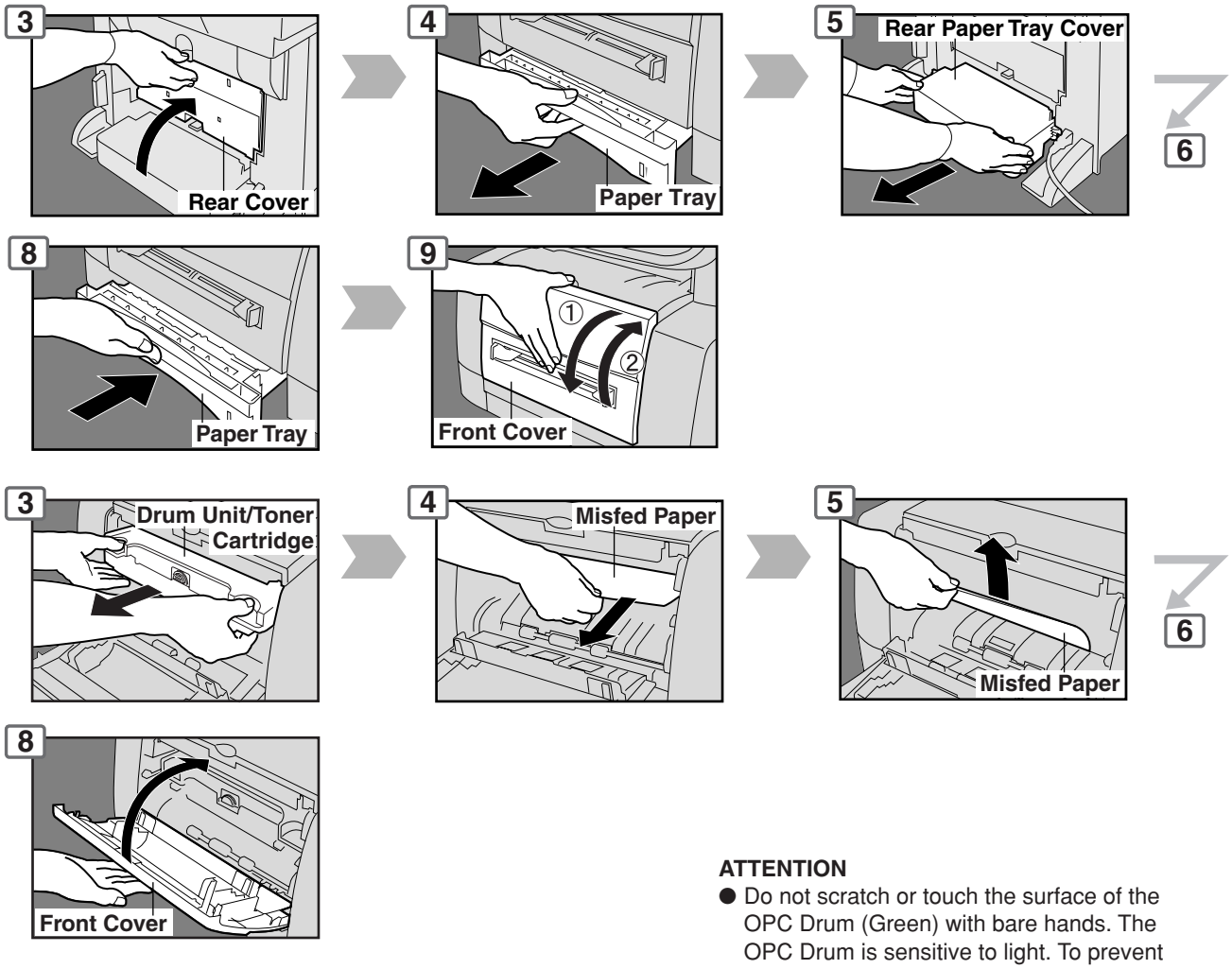


(Ex.)



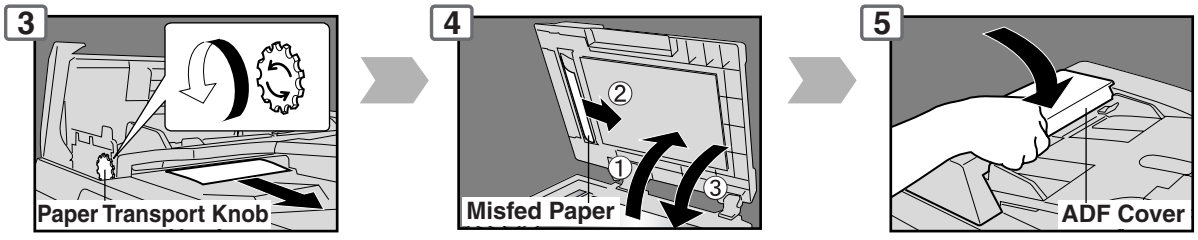


Remove Misfed Paper



ATTENTION

- Do not scratch or touch the surface of the OPC Drum (Green) with bare hands. The OPC Drum is sensitive to light. To prevent optical exposure problems, do not expose the OPC Drum to direct sunlight or bright light.

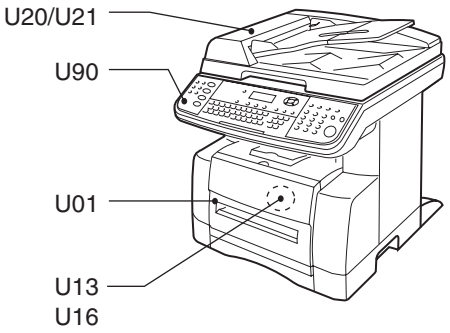


Remove Misfed Paper

Remove Misfed Paper

■ Problem Solving

● User Error Codes (U Code)



Code	Check Points	Code	Check Points
U01	Front Cover is open.	U20	ADF Cover is open.
U13	Low Toner. (See page 16)	U21	ADF was opened while feeding a document.
U16	Drum Unit/Toner Cartridge is not installed correctly.	U90	Battery requires replacement. (See page 58)

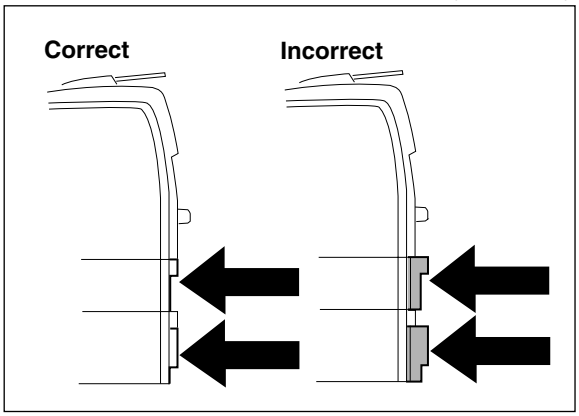
● Jam Error Codes (J Code)

Code	Check Points	Code	Check Points
J00	①Remove paper from the Sheet Bypass. ②Open and close the Front Cover.	J70, J71, J79, J90, J92, J93	Remove misfed paper(s) in the ADF. (See page 18)
J01, J02	Pull out the paper tray(s) and remove the jammed paper from the tray(s). Check to make sure the Paper Guides are properly adjusted in the tray(s).		
J43, J44, J80, J82, J83	Remove misfed paper(s) inside the unit. (See page 18)		

NOTE:
- The J## Code indicates the most probable Jam location. If the jam message reappears after the jam is cleared, paper is most likely jammed at other location(s). Check the Jam Error Codes Table above for other check points and remove all misfed paper.
- Make sure that the Jam Error Code disappears after removing the misfed paper.
- The Jam Error Code will not disappear if the paper is still jammed in the machine. Check again and remove all misfed paper.

ATTENTION

(Side View)



When the optional Paper Tray-2 is installed, and either Paper Tray (Tray-1 or Tray-2) is not closed firmly, paper jam may occur.

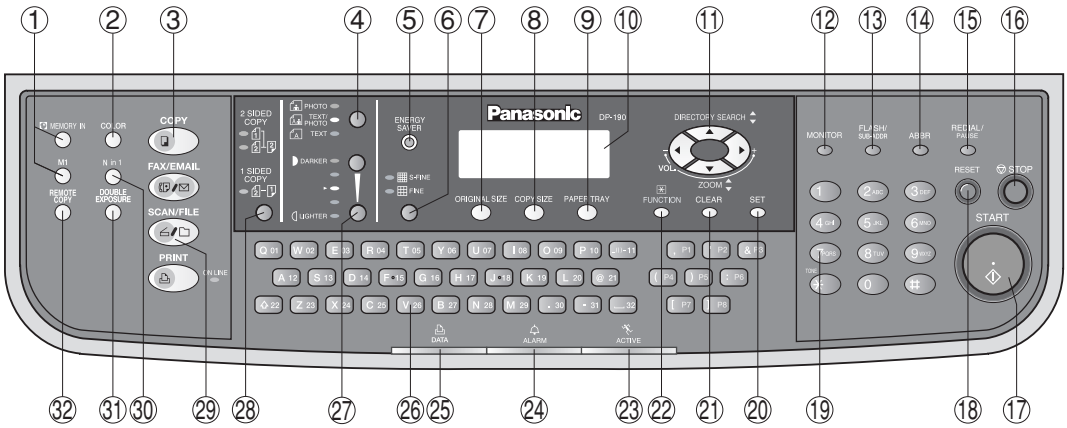
NOTE: When the optional Tray-2 is installed and the same size of paper is loaded in both trays, the paper will feed from Paper Tray-2 first. This is the default setting, if you wish to change the setting, please consult with your service provider.

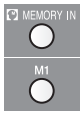
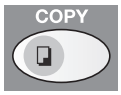
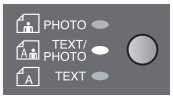
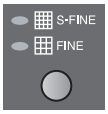
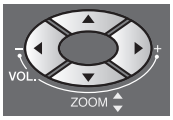
(Adding Paper / Sheet Bypass)
If you wish to make multiple copies from the Sheet Bypass (Thick media), input the desired number of copies first, then insert the first sheet of media into the Sheet Bypass and press the Start key. After each media sheet is processed, a "BYPASS ADD PAPER" prompt message will appear on LCD display, feed an additional media into the Sheet Bypass (one-at-the-time) until your copy job is completed.

(Adding Paper / Tray-2)
Always remove all paper from Tray-2, fan the paper and straighten the stack when replenishing paper. This helps prevent multiple sheets of paper from feeding through the Tray-2 at one time, thus reducing paper jams.

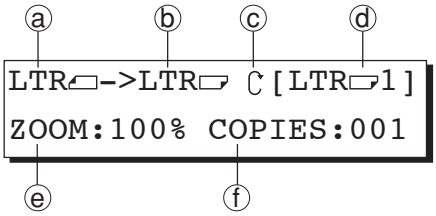
Before Starting

Control Panel

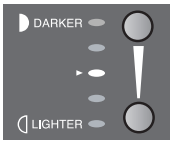
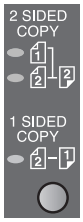
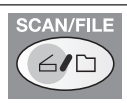


No.	Icon	Contents	No.	Icon	Contents
①		**MEMORY IN key** To store the desired copy job(s). **M1 Key** To store/recall a job or custom original size stored in memory. (See page 33)	②		**COLOR Key** Use when scanning the document. (See page 46)
			③		**COPY Key** To use the unit as a photocopier.
④		**ORIGINAL Key** To select type of Original. (See page 25)	⑤		**ENERGY SAVER Key** Saves power while the machine is not in use.
⑥		**RESOLUTION Key** Use when scanning the document. (See page 46)	⑦		**ORIGINAL SIZE Key** To select an original size.
⑧		**COPY SIZE Key** Sets the Reduction/ Enlargement copy with preset ratio. (See page 25)	⑨		**PAPER TRAY Key** Selects the paper tray.
⑩		**LCD Display** Indicates Number of Copies / Original(s), Machine / User Error Code, etc.			
⑪		**Cursor Key** ▼▲ To select the zoom ratio, etc. ◀ ▶ Use to select original density, etc.			
⑫,⑬, ⑮	Used for Fax and Internet Fax/Email Functions.		⑭		**ABBR Key** Use when selecting a station. (See page 47)
⑯		**STOP Key** Stops the copy run.	⑰		**START Key** Starts the copy job.

LCD Display (Copy Function)



ⓐ Original Size
ⓑ Copy Size
ⓒ Rotating Paper Size
ⓓ Paper Size in Paper Tray
("PRESS ∗" indicates Sheet Bypass is out of paper.)
ⓔ Zoom Ratio
ⓕ Number of Copies

No.	Icon	Contents	No.	Icon	Contents
⑱		**RESET Key** Resets all features to the initial power-on state.	⑲		**Keypad** Sets copy quantities or inputs the parameter(s) of Function settings.
⑳		**SET Key** Sets the parameter(s) of Function settings.	㉑		**CLEAR Key** Clears the copy count in the display.
㉒		**FUNCTION Key** Use when changing the paper size, initial function values (default values) and key operator settings.	㉓		**ACTIVE LED (GREEN)** Flashes when machine is active.
㉔		**ALARM LED (RED)** Lights/Flashes when trouble occurs. **Lights:** Machine detected a trouble status ● No paper in the selected tray or toner has run out. ● Machine detected trouble, such as paper misfed or jammed. **Flashes:** Machine detected an alarm status ● No paper in the Tray. (Tray not selected) ● Toner is getting low, etc.	㉕		**PRINT DATA LED (GREEN)** **Flashes:** When receiving printing data. **Lights:** While printing.
㉖	 	**Keyboard** Inputs the Station, Machine name(s) of the parameter settings, etc. (See pages 47-51) When inputting a special character, press the "_/()···" Key and use the (▼/▲) Cursor Keys to select a character. When changing the stored character, move the cursor (▮) back to the character and press the CLEAR Key then input a new character.			
㉗		**DARKER/LIGHTER Keys** To adjust the Manual Exposure. (See pages 25 and 46)	㉘		**DUPLEX Key** Selects a 2-Sided copy. (See page 27)
㉙		**SCAN/FILE Key** Used for network scanning.			
㉚		**N in 1 Key** Selects N in 1 copy mode. (See page 29)	㉛		**DOUBLE EXPOSURE Key** Selects Double Exposure mode. (See page 30)
㉜		**REMOTE COPY Key** Selects Remote Copy mode. (See page 53)			

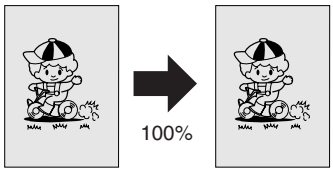
NOTE: To adjust the brightness of the LCD display, press and while holding down the CLEAR Key, keep pressing the ORIGINAL SIZE or COPY SIZE Key until the desired brightness is achieved.
ORIGINAL SIZE : Dimmer
COPY SIZE : Brighter

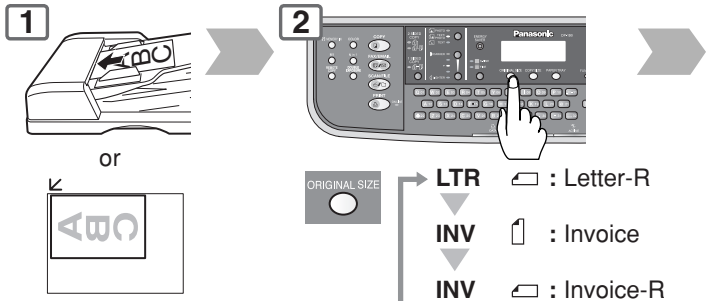
Making Copies

Basic Copy

■ Copying the Same Size Originals (1:1)

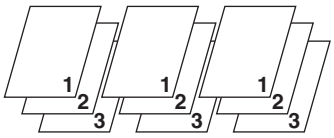
Copy size is automatically selected.





*LGL and MIX are available with ADF only. MIX (See page 32)

■ Sort Mode



Sort
Multiple copy sets are sorted automatically.
Non-Sort
Copy is stored on the Output Tray.

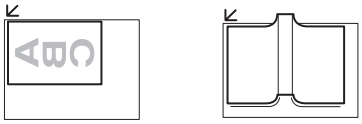
NOTE:
Initial Sort Function settings can be selected within the Copier Mode Settings. (See page 38)
Initial Sort Priority Setting:
For ADF: 2:Sort; For Platen: 1:Non-Sort

■ Position of the Original(s)

For ADF (Face Up)

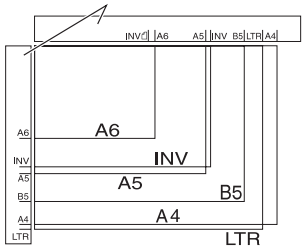
● Feeds originals automatically Up to 50 Letter size (20 lb) (up to 30 Legal size)

For Platen (Face Down)



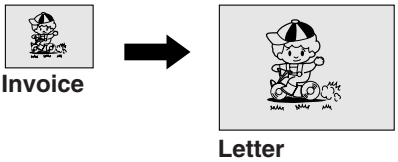
● When copying a thick Booklet, do not close the ADF.

Original Guides

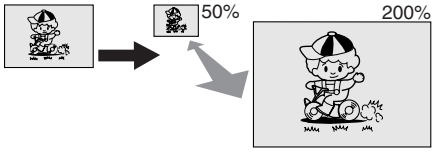


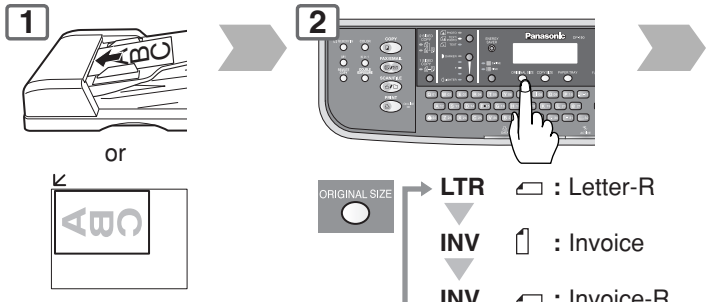
■ Copying with Preset or Variable Zoom Ratios

Preset Ratios (ex: Enlargement)



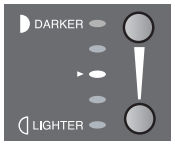
Variable Zoom Ratios
Copies with variable zoom ratios from 50 % to 200 % in 1 % increments.





*LGL and MIX are available with ADF only. MIX (See page 32)

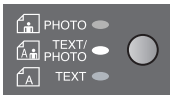
3



➡ Press the DARKER/LIGHTER Keys to adjust the Exposure manually.

DARKER Key

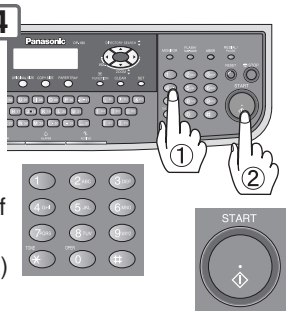
LIGHTER Key



➡ Select the type of Original(s) by pressing ORIGINAL Key

TEXT/PHOTO : Text and Photo combined
PHOTO : Mainly Photo
TEXT : Mainly Text

4



Number of Copies (Max. 999)

From Platen only

The following steps, illustrate how to make multiple copies when the Sort Mode is selected.

```
ANOTHER ORIGINAL?
1:YES  2:NO
```

1: YES ➡ Continues to copy another original, repeat steps 1 and 4-②.
2: NO ➡ Starts making copies.

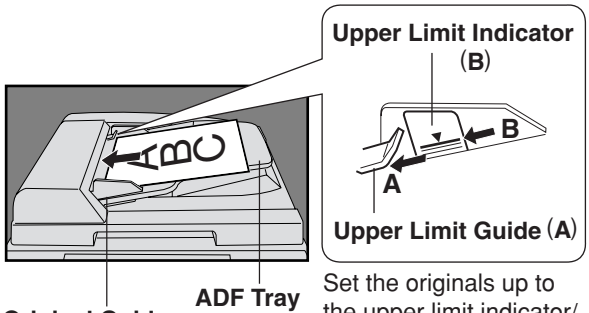
■ Using the ADF

Originals that cannot be used

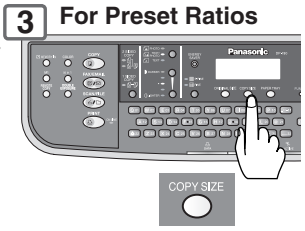
- Post Cards, Drawing Papers, Transparencies, Labelling Papers, Heavyweight Papers, Thin Art Papers, Film Thermal Papers

Inappropriate Originals

- Paper with a smooth surface such as glossy and coated papers
- Transparencies
- Originals with a Lead Edge that is ripped, creased, folded, punched, or glued.
- Mixed width size Originals
- Post-it Notes
- Pressure sensitive or carbon backed papers
- Paper with excessive curl
- Stapled originals
- Freshly printed copies from a laser printer
- Originals with fresh White-Out (Liquid paper correction fluid)

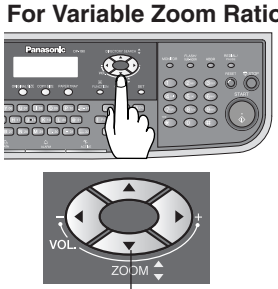


3 **For Preset Ratios**



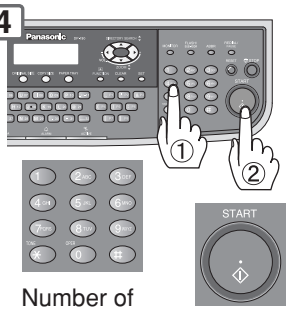
LTR : Letter-R
INV : Invoice-R
LGL : Legal

For Variable Zoom Ratios



▲ Up to 200% in 1%
▼ Down to 50% in 1%

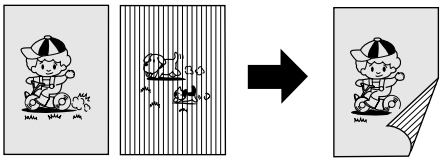
4



Number of Copies (Max. 999)

■ 1 ➜ 2 Copy

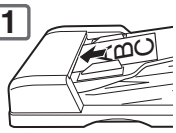
1-Sided ➜ 2-Sided Copy



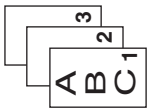
This function can be combined with N in 1 function.

NOTE:
When using the Sheet Bypass, 1→2 Copy function is not permitted.

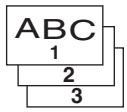
1



Long Edge Originals

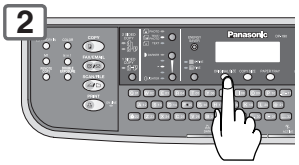


Short Edge Originals



or

2



ORIGINAL SIZE

- **LTR** : Letter-R
- **INV** : Invoice
- **INV** : Invoice-R
- **LGL*** : Legal
- **MIX*** : Letter-R and Legal

*LGL and MIX are available with ADF only.
MIX (See page 32)

6 **Steps 6 to 9 from Platen only**

```
ANOTHER ORIGINAL?
1:YES  2:NO
```

1: YES
Go to next step.

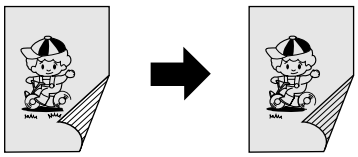
NOTE: If "2: NO" is selected, the machine will start copying only 1-Sided original.

7

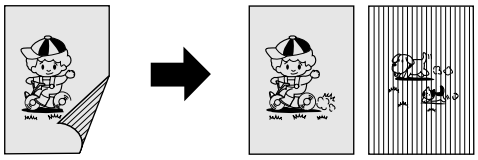
Next Original

■ 2 ➜ 2 Copy, 2 ➜ 1 Copy

2 ➜ 2 Copy 2-Sided ➜ 2-Sided Copy

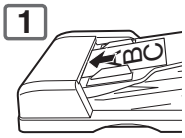


2 ➜ 1 Copy 2-Sided ➜ 1-Sided Copy



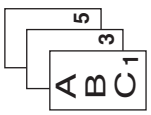
NOTE:
When using the Sheet Bypass, 2→2 Copy function is not permitted.

1

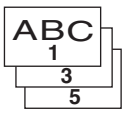


Odd Number Pages

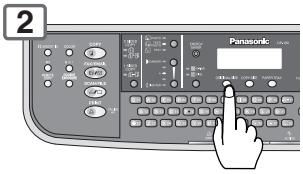
Long Edge Originals



Short Edge Originals



2



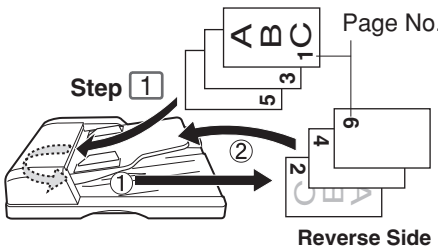
ORIGINAL SIZE

- **LTR** : Letter-R
- **INV** : Invoice
- **INV** : Invoice-R
- **LGL*** : Legal
- **MIX*** : Letter-R and Legal

*LGL and MIX are available with ADF only.
MIX (See page 32)

6 **SET ORIGINAL ON ADF**

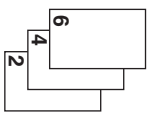
```
INSERT SECOND SIDE
ORIENTATION AS IS
```



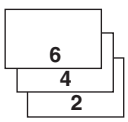
Place the reverse side of the original(s) of step 1 in the order and direction of ejection.

Even Number Pages

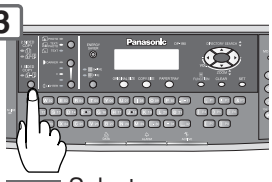
Long Edge Originals



Short Edge Originals



3

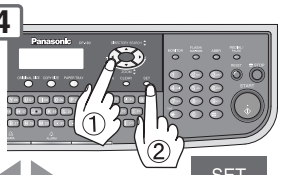


Select
Duplex mode

2 SIDED COPY

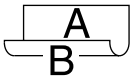
1 ➜ 2 Copy : 1-Sided to 2-Side Copy

4



Bind Position
(Select within 10 sec.)

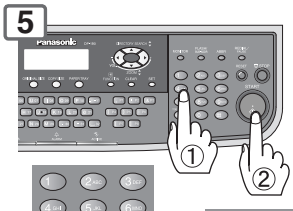
SET



Long Edge

Short Edge

5



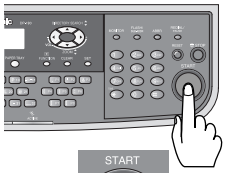
Number of Copies
(Max. 999)

START

6 ~ **9**
From Platen only.

8

PRESS START TO CONTINUE



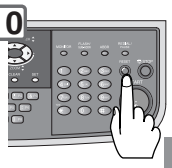
START

9 The following steps, illustrate how to make multiple copies when the Sort Mode is selected. (See pages 24 and 38)

ANOTHER ORIGINAL?
1:YES 2:NO

1: YES ➜ Continues to copy another original, repeat steps 1 and 5-② to step 8.
2: NO ➜ Starts making copies.

10



Exits this mode.

RESET

3

Select
Duplex mode

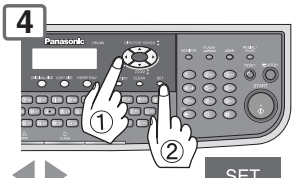
2 SIDED COPY

2 ➜ 2 Copy : 2-Sided to 2-Side Copy

1 SIDED COPY

2 ➜ 1 Copy : 2-Sided to 1-Side Copy

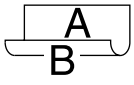
4



Bind Position
(Select within 10 sec.)

SET

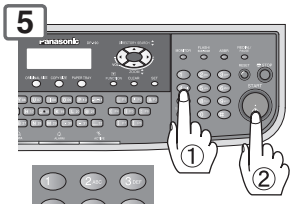
For 2 ➜ 1 Copy



Long Edge

Short Edge

5



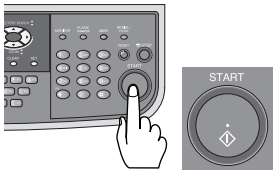
Number of Copies
(Max. 999)

START

6

7

PRESS START TO CONTINUE



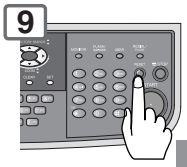
START

8

SET ORIGINALS ON ADF

NOTE: If the page count for the Back side does not match the page count for the Front side (i.e. page double-fed) of the 2-Sided originals, a "TOTAL PAGE MISMATCH" will be displayed and all scanned data will be cancelled. If this occurs, restart from Step 1 and Step 5-② to Step 7.

9



Exits this mode.

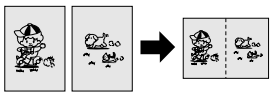
RESET

■ N in 1

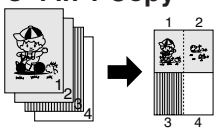
From two/four 1-Sided originals, side by side, to 1-Sided pages.

This function can be combined with 1→2 function.

● **2 in 1 Copy**



● **4 in 1 Copy**



NOTE:

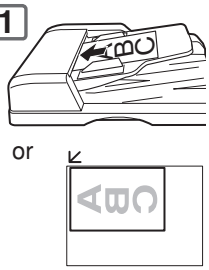
- If the original's Orientation is incorrect when N in 1 copy mode is used, the copy sequence may not reproduce properly. If this occurs, change the N in 1 default Orientation in the Copier Settings, Parameter No. 05 (N in 1 DEF.). (See page 38)

Portrait Landscape

- The COPY SIZE Zoom Ratio is automatically selected when N in 1 Copy Mode is used. You can also adjust the reduction ratio manually if desired.

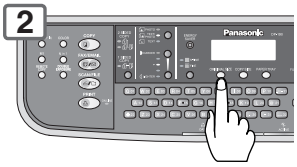
NOTE: If the desired COPY SIZE requires less than 50% reduction ratio, the size selection will not be displayed, will be ignored, or the LCD will display "FUNCTION NOT AVAILABLE".

1



or

2



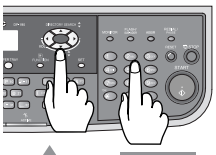
ORIGINAL SIZE

- **LTR** : Letter-R
- **INV** : Invoice
- **INV** : Invoice-R
- **LGL*** : Legal
- **MIX*** : Letter-R and Legal

*LGL and MIX are available with ADF only. MIX (See page 32)

5

```
N in 1          (1-2)
ENTER NO. OR v ^
```



or 1 or 2 ABC

2 in 1 4 in 1

2 in 1

```
1: 2 in 1?
PRESS SET TO SELECT
```

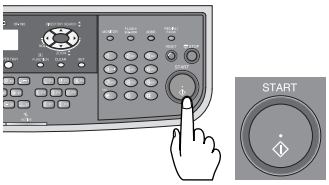
or

4 in 1

```
2: 4 in 1?
PRESS SET TO SELECT
```

9

```
PRESS START TO
CONTINUE
```

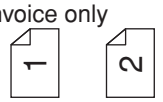
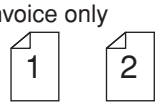


10 **For 4 in 1 Copy**

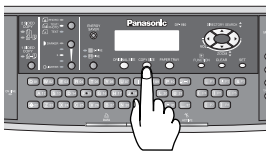
```
ANOTHER ORIGINAL?
1:YES  2:NO
```

① Select "1:YES".
② Repeat steps 8 and 9.
③ Select "1:YES".
④ Repeat steps 8 and 9.

Combination for N in 1 Copy Operation.

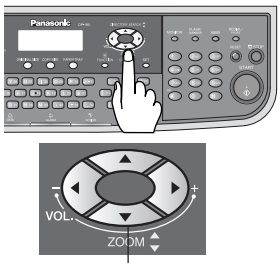
Mode	Originals	Layout
2 in 1		
	Invoice only 	
	Invoice only 	

3 **For Preset Ratios**



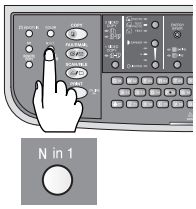
LTR ▭ : Letter-R
INV ▭ : Invoice-R
LGL ▭ : Legal

For Variable Zoom Ratios



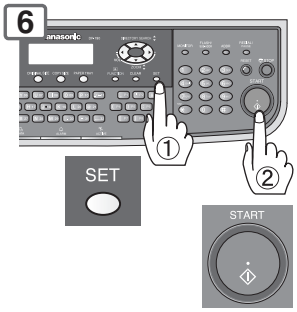
▲ Up to 200% in 1%
▼ Down to 50% in 1%

4



5

6



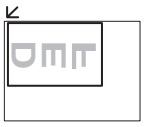
7 **Steps 7 to 11 for Platen only**

```
ANOTHER ORIGINAL?
1:YES  2:NO
```

1: YES
Go to next step.

NOTE: If "2: NO" is selected, the machine will start copying only 1-Sided scanned original.

8



Next Original

9

11 The following steps, illustrate how to make multiple copies when the Sort Function is selected. (See pages 24 and 38)

```
ANOTHER ORIGINAL?
1:YES  2:NO
```

1: YES ➜ Continues to copy another original, repeat steps 1 and 6-② to step 9 (10: 4 in 1).
2: NO ➜ Starts making copies.

12

Exits this mode.

Mode	Originals	Layout
4 in 1	1 2 3 4	1 2 / 3 4 ; 1 3 / 2 4 ; 2 1 / 4 3 ; 3 1 / 4 2
	1 2 3 4	1 2 / 3 4 ; 1 3 / 2 4 ; 2 1 / 4 3 ; 3 1 / 4 2
	Invoice only 1 2 3 4	
	Invoice only 1 2 3 4	1 2 / 3 4 ; 1 3 / 2 4 ; 2 1 / 4 3 ; 3 1 / 4 2

Making Copies

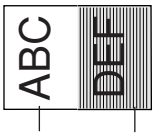
Other Features

■ Double Exposure

From 2-Sided originals to 1-Sided copies (side-by-side image).

Original Size:
Maximum Invoice
ex. Invoice-R

Copy Size: Invoice

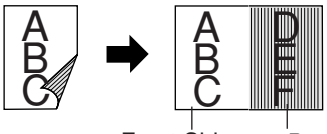


Front Side Image

Back Side Image

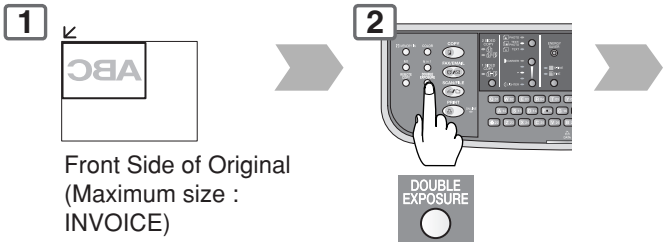
ex. Invoice

NOTE: When copying portrait original, set the Portrait in the Copier settings, 1:ORIENTATION of Parameter No. 05 (N in 1 DEF.). (See page 38)

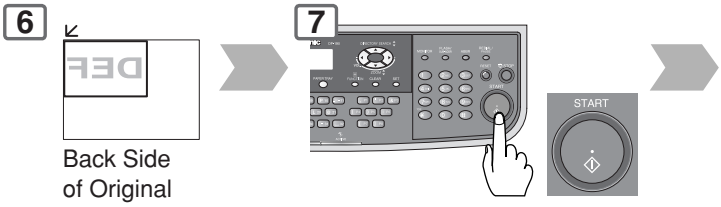


Front Side Image

Back Side Image



Front Side of Original (Maximum size : INVOICE)



Back Side of Original

NOTE:
When Opening the ADF

- An incorrect position detection of the original may occur when a strong light shines on the glass during this mode.
- If the original(s) have a colored background then this may affect the final copy.

■ Skyshot Mode

Skyshot allows copying a manuscript without generating dark borders even if the platen cover or ADF is opened.
Two types of Skyshot modes can be selected.

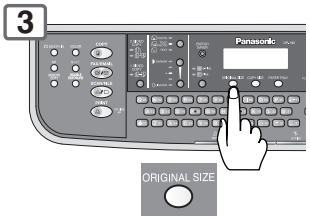
Digital Skyshot Mode
Digital Skyshot allows copying a manuscript without generating dark borders even if the ADF is opened. The default setting of Digital Skyshot Mode is “OFF”. To use this mode, change the default setting to “ON” in the Function Mode (2: Copier Settings).
(See page 38)

Opened ADF

NOTE:

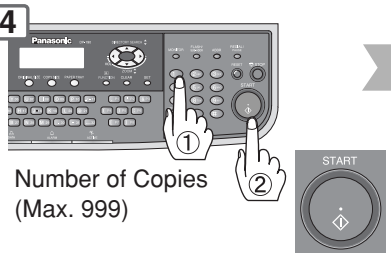
- An incorrect position detection of the original may occur when a strong light shines onto the glass during digital skyshot mode.
- An incorrect exposure may occur when there is a black line at the edge of the original or an image which the machine interprets as a black pattern in the digital skyshot mode.
- When making copies, the copy image may be misaligned, depending on the background color of the original(s).

3



Select Invoice or Invoice-R as original direction.

4



Number of Copies (Max. 999)

5

```
ANOTHER ORIGINAL?
1:YES  2:NO
```

1: YES
Go to next step.

6

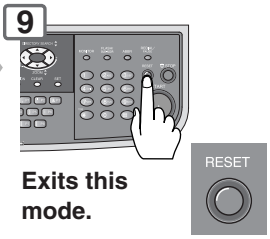
NOTE: If "2: NO" is selected, the machine will start copying only 1-Sided original.

8 The following steps, illustrate how to make multiple copies when the Sort Mode is selected. (See pages 24 and 38)

```
ANOTHER ORIGINAL?
1:YES  2:NO
```

1: YES ➡ Continues to copy another original, repeat steps 1 and 4-② to step 7.
2: NO ➡ Starts making copies.

9

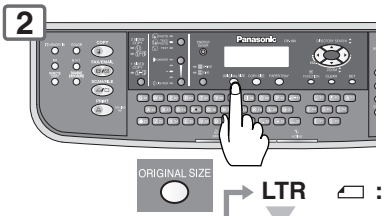


Exits this mode.

NOTE

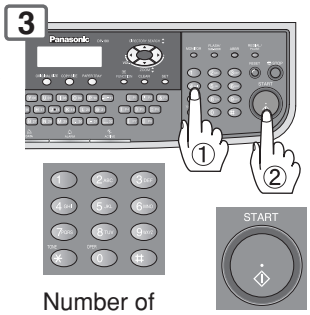
- An incorrect exposure may occur when there is a black line at the edge of the original or an image which the machine interprets as a black pattern in this mode.

2



LTR : Letter-R
INV : Invoice
INV : Invoice-R

3



Number of Copies (Max. 999)

Making Copies

Other Features

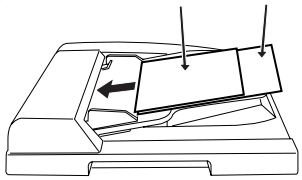
■ Multi-Size Feeding

Use this function when copying mixed (Legal & Letter) size originals through the ADF. The original's size is automatically detected and copied full size.
This function is available only when the optional Tray-2 is installed and both Legal and Letter-R size papers are loaded in Tray-1 and Tray-2 respectively.

NOTE:

1. The default original size is "LETTER". If you use the Multi-Size Feeding function, change the default original size to "MIX" in the Copier Settings, Parameter No. 13 (ORIGINAL SIZE). (See page 39)
2. Multi-Size Feeding cannot be combined with other copy functions (except Zoom and Sort mode).

1 LETTER-R LEGAL



Multi-Size Feeding Combination

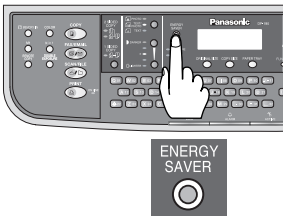
Original	Copy
Legal	Legal
Letter-R	Letter-R

■ Energy Saver (Power Saver Mode, Sleep/Shutdown Mode)

These modes save power while the machine is not in use.

Power Saver Mode

1 To enter



or

Automatically enters the Power Saver Mode after 10 minutes from the last copy job.
NOTE:
To adjust the default Power Saver Mode timer, see page 36.

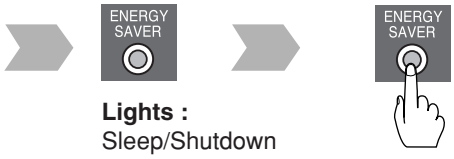
Flashes : Power Saver Mode

2 To exit

or any keys

Sleep/Shutdown Mode

1 Automatically enters the Sleep/Shutdown Mode after 10 minutes from the last copy job.
NOTE:
To adjust the default Sleep/Shutdown Mode timer, see page 36.



Lights : Sleep/Shutdown Mode

2 To exit

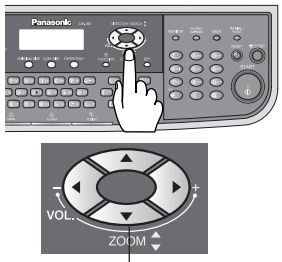
Modes	Power Consumption	Warm Up Time	Limited Functions
Normal Operation	Approx. 80 W	–	–
Power Saver	Approx. 20 W	Approx. 10 sec.	–
Sleep	Approx. 12 W	Approx. 15 sec.	–
Shutdown	Approx. 1.5 W	Approx. 18 sec.	● Printer Function (USB Local and Network Connection) ● Internet Fax/Email Function ● Facsimile Function (If the LAN Cable is not connected, and the "DHCP DEFAULT" is set to "VALID", while in this mode (Shutdown), the machine will not answer an incoming Fax call) (See page 37)

NOTE: When making copies (especially colored originals), the image may vary depending on the background color of the original(s).

2

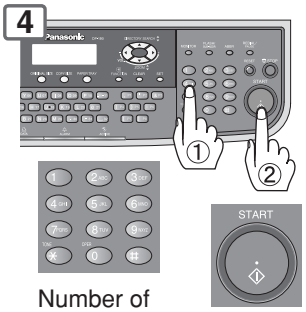
ORIGINAL SIZE **MIX :**
Letter-R and Legal

3 **For Variable Zoom Ratios only**



Up to 200% in 1%
Down to 50% in 1%

4



Number of Copies (Max. 999)

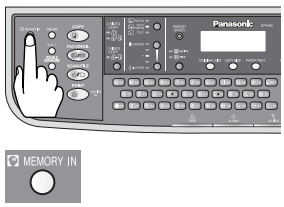
■ Job Memory

Copy Job can be stored in Memory (M1) for recall at a later time.
● Job Memory mode will not be deleted even if the power switch is turned Off.

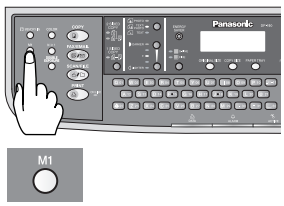
To store a job in memory

1 Set up the copy job to be stored.

2

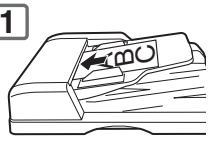


3



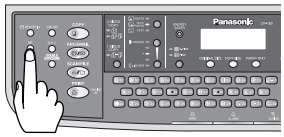
To recall a job stored in memory

1



or

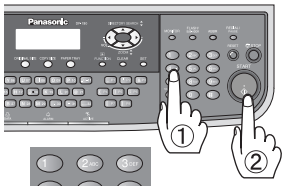
2



① M1

② Select the original size with the Original Size Key.

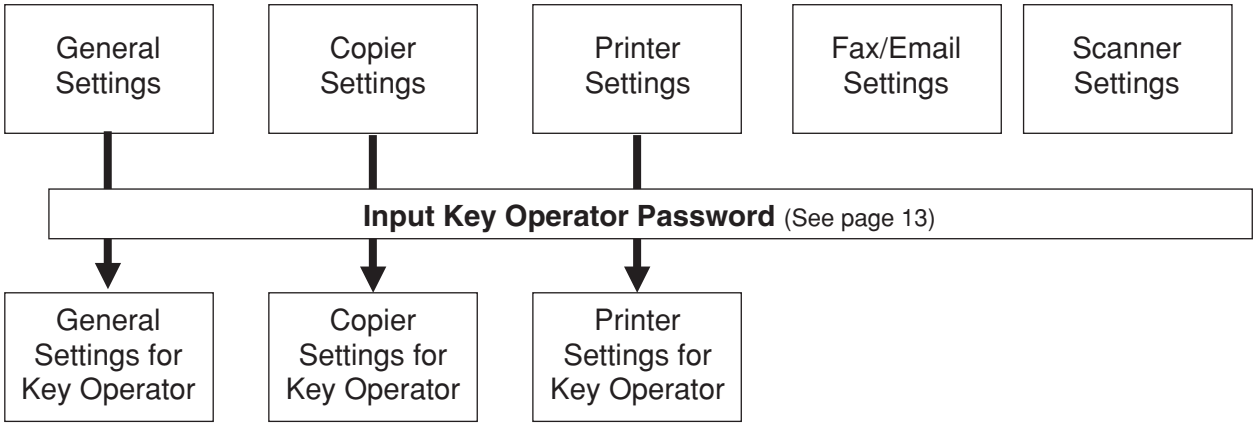
3



Number of Copies (Max. 999)

Function

■ Using Function Modes to Change the Initial Machine Modes

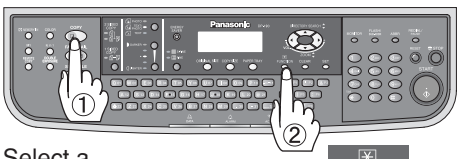


General Settings: Changing the Initial Machine Modes

- Power On Default Mode, Key Operator Mode, etc. (See page 36)
  For Key Operator:
  Paper Size, Department Counter, Network TCP/IP settings, etc.
  (See pages 36 to 38)

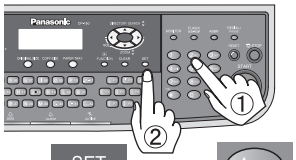
■ Procedure

1 Select a Function Mode



COPY : General/Copier Settings
FAX/EMAIL : Fax/Email Settings
SCAN/FILE : Scanner Settings
PRINT : Printer Settings

2 Select a desired setting by pressing keys.



1 : **General Settings**
or
2 ABC : **Copier Settings**
4 GHI : **Printer Settings**

Scanner Settings
(Scan Parameters) (See page 50)

Fax/Email Settings
Refer to Operating Instructions
(For Fax and Internet Fax/Email)

NOTE

- Please refer to the appropriate operating instructions manual for function settings on options.
- Function setting is accessible only when the machine is in Ready Mode.

Copier Settings:

Changing the Initial Copy Modes

- Default function of each copy mode
  (See page 38)
  For Key Operator:
  Original setting, Contrast, etc.
  (See page 39)

Printer Settings:

Changing the Initial Printer Modes

- Default function of each print mode
  (See pages 39 and 40)
  For Key Operator:
  Job completion time, Page protection, Error page print, Spool function, PS configuration, Font list print, Mailbox data handling, etc.
  (See pages 40 and 41)

NOTE: Normally, you have no need to set the Printer Settings. When sending the text data from MS-DOS status to the printer directly, such special printing may require Printer Settings.

Scanner Settings:

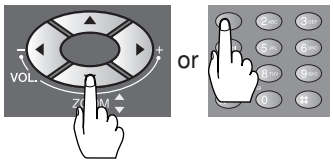
Changing the Initial Scanner Modes

- Original default setting, Compression mode, Resolution, etc.
  (See page 41)

Fax/Email Settings:

Changing the Initial Fax/Email Modes
Refer to Operating Instructions (For Facsimile & Internet Fax/Email).

3 Select a mode with the Cursor Key or Keypad.

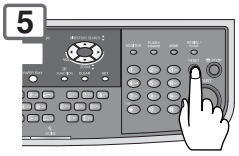


When selecting the Key Operator Mode:
(ex. General Settings)

4 Setting the desired Function Parameter(s).

① Select a setting with the Keypad.
② Confirm a setting with the SET Key.

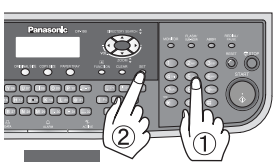
5



Exits this Function Mode

4

```
09 KEY OPERATOR MODE
ENTER PASSWORD=_■■
```

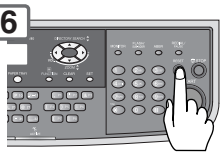


Input the Key Operator Password (3-digit)
(See page 13)

5 Setting the desired Function Parameter(s).

① Select a mode with the Cursor Key or Keypad.
② Select a setting with the Keypad.
③ Confirm the setting with the SET Key.

6



Exits this Function Mode

Function

■ General Settings

No.	Modes	Function	Initial Setting
00	POWER ON DEFAULT	Selects the default operation mode. 1:COPY / 2:FAX / 3:PRINTER / 4:SCANNER	1:COPY
01	SORT MEMORY USAGE	Selects whether to display the amount of sort memory used on the control panel. 1:OFF / 2:DISPLAY	1:OFF
02	DEPT. COUNTER	Displays the Total Copy usage and copy limit of the selected department.	Consult your authorized service provider
04	TONER REPLACEMENT	Confirms whether the Toner Cartridge is being replaced. Selecting "1:YES" will reset the Print Counter. 1: YES / 2:NO	
05	DRUM REPLACEMENT	Confirms whether the Drum Unit is being replaced. Selecting "1:YES" will reset the Drum Life Counter. 1:YES / 2:NO	
06	SUPPLY FORMS	Select whether to print the Toner Cartridge or the Drum Unit Order Form. 1:TONER / 2:DRUM	
09	KEY OPERATOR MODE	Inputs the key operator password. ENTER PASSWORD = ■■■	

NOTE: When inputting above General Settings mode No., no need to input the first "0", input only the second number of the two digit display.

The following Parameter Settings require the input of the Key Operator Password:

■ General Settings (For Key Operator)

No.	Modes	Function	Initial Setting
00	GENERAL LIST	Prints the general settings list. PRESS SET TO PRINT	
01	PAPER SIZE	Selects the Paper Tray and sets the Paper Size. (See page 42) 1: TRAY-1 / 2:TRAY-2 (Option) LETTER ▭ →A4 ▭ →LEGAL ▭ PAPER TYPE (LETTER/A4 size only/Tray-1) 1:PLAIN / 2:OHP	
03	AUTO RESET TIME	Selects the Control Panel reset time. 1:OFF / 2:30 sec / 3:1 min. / 4:2 min. / 5:3 min. / 6:4 min.	3:1 min.
04	ENERGY SAVER MODE	Sets the Energy Saver mode and time. 1:INVALID / 2:POWER SAVER / 3:SLEEP / 4:SHUTDOWN Power Saver mode timer: 1-240 min. Sleep/Shutdown mode timer: 1-240 min.	3:SLEEP
05	ENERGY SAVER TIME	Sets the energy saver timer (power saver mode) Start (ON): 00:00 End (OFF): 00:00 Inputs Start and End time with Cursor Keys and Keypad. Once you set power saver ON/OFF timer, set timer repeats everyday.	Start00:00 End00:00
06	LANGUAGE DEFAULT	Selects the default message language for the display. 1:A-ENGLISH / 2:C-FRENCH / 3:SPANISH	1:A-ENGLISH
07	SPECIAL TRAY 1*	Selects the paper tray to use for special paper. 1:NONE / 2:TRAY-1 / 3:TRAY-2 (Option) / 4:BYPASS	1:NONE
09	KEY/TOUCH BEEP	Selects the default touch panel sound level. 1:OFF / 2:SOFT / 3:LOUD	2:SOFT

*Available only when the optional Tray-2 is installed.

<to be continued>

■ General Settings (For Key Operator) (Continued)

No.	Modes	Function	Initial Setting
11	ORIG. SET BEEP ADF	Selects whether to enable the sound when paper is placed on the ADF. 1:INVALID / 2:VALID	2:VALID
13	DEPT. COUNTER MODE	Monitors the copy usage of each department. 1: TOTAL COUNTER 2: DEPT. COUNTER 3: DEPARTMENT LIST	Consult your authorized service provider
16	LANGUAGE PRIORITY	Selects whether to enable the language selection menu to display when the machine comes out of the Energy Saver Mode, or when the RESET button is pressed once. 1:OFF / 2:ON	1:OFF
17	DATE & TIME	Sets the date and time. Month, Day, Year, Time Input the date and time using the Cursor Keys and the Keypad.	
18	DAYLIGHT TIME	Selects whether to enable the daylight time feature. 1:INVALID / 2:VALID	2:VALID
19	IP ADDRESS (DHCP)*1,*2	Displays the address which was reserved by DHCP server.	
20	SUBNET MASK (DHCP)*1,*2	Displays the address which was reserved by DHCP server.	
21	DEF. G/W IP (DHCP)*1,*2	Displays the address which was reserved by DHCP server.	
22	DHCP DEFAULT*4	Selects whether to enable the DHCP. 1:INVALID / 2:VALID	2:VALID
23	DNS SERVER ADDR*2	Selects whether to enable the DNS Server, and sets its settings for Internet Fax/Email Function. 1:INVALID 2:VALID <Sub Function> 1:HOST NAME / 2:DOMAIN NAME / 3:PRI. DNS SERVER (IP ADDRESS1) / 4:SEC. DNS SERVER (IP ADDRESS2)	2:VALID
24	MAC ADDRESS	Indicates the MAC address.	
25	HARD DISK FORMAT*3	Formats the hard disk.	
26	HARD DISK ERR CHK*3	Selects the provision for the hard disk error check.	
27	ABBR GROUP ID	Inputs the group ID for the address book. 0-99	0
28	COMMUNITY NAME(1)*2	Selects whether to change the Community Name(1) SNMP. Enables read only.	public
29	COMMUNITY NAME(2)*2	Selects whether to change the Community Name(2) SNMP. Enables read/write.	public

NOTE *1 When setting other than DHCP server Network settings, Parameter No. “22 DHCP DEFAULT” should be set to “INVALID” first, then setup Parameter No.19 to 21.

*2 When Parameter No.19 to 23 (except 22) and No. 28, 29 are set, cycle the power by turning the Power Switch on the Left Side of the machine OFF and ON.

*3 Available only when the optional Hard Disk Drive Unit is installed.

*4 When not connecting to LAN, the setting of DHCP should be on INVALID. When the setting of DHCP is on VALID, and the machine is in Shutdown Mode, the machine will not answer an incoming Fax call.

Function

■ General Settings (For Key Operator) (Continued)

No.	Modes	Function	Initial Setting
30	DEVICE NAME*1	Inputs the device name when required. (For Status Monitor/EtherTalk Machine Name)	Panasonic DP-190
31	DEVICE LOCATION*1	Inputs the device location when required. (For Status Monitor)	

NOTE *1 When Parameter No 30 and 31 are set, cycle the power by turning the Power Switch on the Left Side of the machine OFF and ON.

■ Copier Settings

No.	Modes	Function	Initial Setting
04	2-SIDED MODE DEF.	Selects the default duplex priority mode. 1:OFF / 2:1→2 / 3:2→2	1:OFF
05	N in 1 DEF.	Selects the N in 1 default mode. Procedures: Select a Function (ex: ORIENTATION) then, select a Sub Function (ex: PORTRAIT) 1:ORIENTATION When selecting orientation, there are original sizes, LEGAL, LETTER, INVOICE, and INVOICE. You can change the original size with ▼▲ of cursor key. <Sub Function> 1:PORTRAIT / 2:L-SCAPE 2:LAYOUT <Sub Function> 1: 2 in 1 / 2: 4 in 1 <Sub Function: 2 in 1> 1:L→R / 2:R→L <Sub Function: 4 in 1> 1: 1 2 3 4 / 2: 1 3 2 4 / 3: 2 1 4 3 / 4: 3 1 4 2	1:ORIENTATION <Sub-Function> For LEGAL/LETTER 1:PORTRAIT For INVOICE 2:L-SCAPE 2: LAYOUT <Sub-Function> 1: 2 in 1 <Sub-Function> 1: L→R
06	N in 1 WITH FRAME*2	Selects whether to create the blank space between copy images. 1:INVALID / 2:VALID *2 Available only for 2 in 1 mode.	1:INVALID
07	DIGITAL SKYSHOT	Selects the default digital skyshot mode. 1:OFF / 2:ON	1:OFF
09	AUTO EXPOSURE	Sets the auto exposure setting. 1: INVALID / 2: VALID	2:VALID
10	SORT PRIORITY ADF	Selects the sort priority when using the ADF. 1:NON-SORT / 2:SORT	2:SORT
11	SORT PRIOR. GLASS	Selects the sort priority when using the Platen. 1:NON-SORT / 2:SORT	1:NON-SORT
12	1→2 BINDING DEF.	Selects the binding location for 1→2 Copy. 1:LONG EDGE / 2:SHORT EDGE	1:LONG EDGE
13	2→1 BINDING DEF.	Selects the binding location for 2→1 Copy. 1:LONG EDGE / 2:SHORT EDGE	1:LONG EDGE
19	KEY OPERATOR MODE	Inputs the key operator password. ENTER PASSWORD = ■■■	

The following Parameter Settings require the input of the Key Operator Password:

■ Copier Settings (For Key Operator)

No.	Modes	Function	Initial Setting
00	COPY SETTING LIST	Prints the copier settings list. PRESS SET TO PRINT	
01	ORIGINAL (HOME)	Selects the default Halftone setting. 1:TEXT / 2:TEXT/PHOTO / 3:PHOTO	2:TEXT/PHOTO
02	TEXT CONTRAST	Selects the contrast setting for the Text mode. 1-5	3
03	T/P CONTRAST	Selects the contrast setting for the Text/Photo mode. 1-5	3
04	PHOTO CONTRAST	Selects the contrast setting for the Photo mode. 1-5	3
05	MAX. COPY SETTING	Determines the maximum number of copies/ sets allowed to be copied. 1-999	999
08	MEM. FULL ACTION	Selects the action to take during memory full condition. 1:PRINT / 2:CANCEL	1:PRINT
09	TONER SAVE (TEXT)	Selects the toner save in Text mode. 1:OFF / 2:ON	1:OFF
10	TONER SAVE (T/P)	Selects the toner save in Text/Photo mode. 1:OFF / 2:ON	1:OFF
11	TONER SAVE (PHOTO)	Selects the toner save in Photo mode. 1:OFF / 2:ON	1:OFF
13	ORIGINAL SIZE	Selects the default original size setting. LTR / INV / INV / LGL / MIX (LTR: Letter, INV: Invoice, LGL: Legal, MIX: Letter and Legal)	LTR

■ Printer Settings

No.	Modes	Function	Initial Setting
00	NUMBER OF PRINTS	Sets the initial number of prints 1-999	1
01	PAPER SIZE	Sets the paper size setting. LETTER / INVOICE / FLS1 / FLS2 / A4 / B5 / A5 / LEGAL Sheet Bypass only: INVOICE, B5, A5, FLS1/FLS2	LETTER
02	PAPER TRAY	Sets the default Paper Tray setting. AUTO / BYPASS / TRAY-1 / TRAY-2 (Option)	AUTO
03	PRINT DIRECTION	Sets the default print direction setting. 1:PORTRAIT / 2:L-SCAPE	1:PORTRAIT
04	PRINT DATA	Determines the provision of the print data. PRESS SET TO PRINT	

<to be continued>

■ Printer Settings (Continued)

No.	Modes	Function	Initial Setting
05	2-SIDED PRINT	Selects whether the 2-Sided print setting is enabled. 1:OFF / 2:ON	1:OFF
06	BIND POSITION	Sets the bind position. 1:LONG EDGE / 2:SHORT EDGE	1:LONG EDGE
07	RESOLUTION	Sets the resolution setting. 1:300dpi / 2:600dpi / 3:1200dpi	2:600dpi
08	FONT (PCL)*1	Sets the PCL font. 0-99	0
09	SYMBOL TABLE (PCL)*1	Sets the PCL symbol table. 0-35	11
10	PITCH (PCL)*1	Sets the PCL pitch. 0.44-99.99	10.00
11	POINT SIZE (PCL)*1	Sets the PCL point size. 4.00-999.75	12.00
12	LINES/PAGE (PCL)*1	Sets the PCL lines/page. 5-128	60
13	RETURN CHARACTER (PCL)*1	Sets the PCL return character. 1:CR / 2:CR+LF	1:CR
14	MUTUAL A4/LETTER	Selects whether the mutual size A4/LETTER is enabled. 1:OFF / 2:ON	1:OFF
15	MAILBOX MEMORY*2	Indicates the mailbox memory status.	
19	KEY OPERATOR MODE	Inputs the key operator password. ENTER PASSWORD = ■■■	

*1 Available only when the optional Printer Controller Module is installed.
*2 Available only when the optional Hard Disk Drive Unit is installed.

The following Parameter Settings require the input of the Key Operator Password:

■ Printer Settings (For Key Operator)

No.	Modes	Function	Initial Setting
00	PRINTER SETTINGS	Prints the printer settings. PRESS SET TO PRINT	
01	COMPLETION TIME	Sets the job completion time setting. 1-999SEC (second)	180SEC
02	PAGE PROTECTION	Selects whether to enable automatic compression when the received data exceeds the page memory capacity. (This is accomplished by reducing resolution, and/or deleting pixels to fit the data onto the available page memory, then print it out.) When the setting is in the "OFF" position, upon exceeding the page memory capacity, the print job is deleted and an Error message is displayed. 1:OFF / 2:ON	1:OFF

<to be continued>

■ Printer Settings (For Key Operator) (Continued)

No.	Modes	Function	Initial Setting
03	ERROR PAGE PRINT	Select whether to print the error page. 1:OFF / 2:ON	2:ON
04	SPOOL FUNCTION	Select whether to enable the spool function. 1:OFF / 2:ON	2:ON
05	TEXT PRINT	Select whether to print the text page only. 1:OFF / 2:ON	2:ON
06	PS CONFIGURATION*1	Prints the PS configuration page. PRESS SET TO PRINT	
07	FONT LIST PRINT (PCL)*2	Sets the PCL printing font list. PRESS SET TO PRINT	
08	FONT LIST PRINT (PS)*1	Sets the font list print of PS. PRESS SET TO PRINT	
09	MAILBOX DATA HOLD*3	Select the automatic holding time frame for the mailbox data. Infinity / 1 DAY / 2 DAYS / 3 DAYS / 4 DAYS / 5 DAYS / 6 DAYS / 7 DAYS	7 DAYS
10	DELETE MAILBOX*3	Select whether to delete the mailbox data. 1:ALL / 2:BEFORE	2:BEFORE
12	APPLETALK ZONE*1	Inputs a AppleTalk zone name.	

*1 Available only when the optional Multi Page Description Language Controller Module is installed.
*2 Available only when the optional Printer Controller Module is installed.
*3 Available only when the optional Hard Disk Drive Unit is installed.

■ Scanner Settings (Scan Parameters)

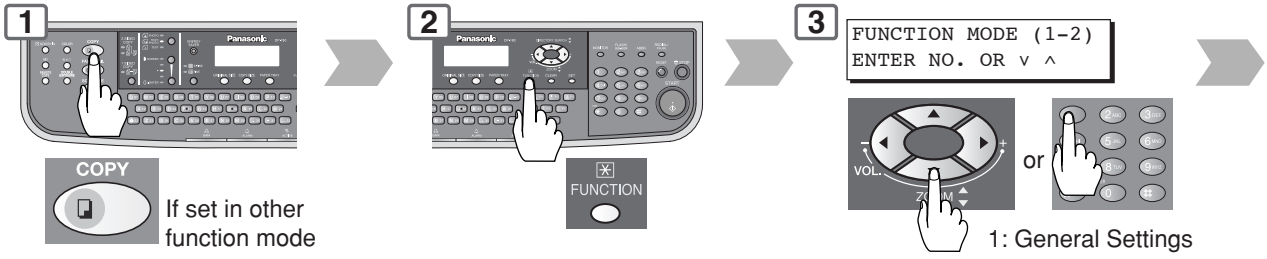
No.	Modes	Function	Initial Setting
00	SCANNER SETTINGS	Prints the scanner settings. PRESS SET TO PRINT	
01	ORIGINAL MODE	Sets the halftone default setting. 1:TEXT / 2:TEXT/PHOTO / 3:PHOTO	2:TEXT/PHOTO
02	COMPRESSION MODE	Sets the default compression mode setting. 1:MH / 2:MR / 3:MMR / 4:JBIG	4:JBIG
03	RESOLUTION	Sets the default resolution setting. 1:STANDARD 2:FINE 3:S-FINE	2:FINE
05	FILE TYPE/NAME	Selects the XMT default file format. 1:TIFF/JPEG / 2:PDF	1:TIFF/JPEG
07	ORIGINAL SIZE	Selects the default original size setting. LTR▭ / INV▯ / INV▭ / LGL / MIX (LTR: Letter, INV: Invoice, LGL: Legal, MIX: Letter and Legal)	LTR▭

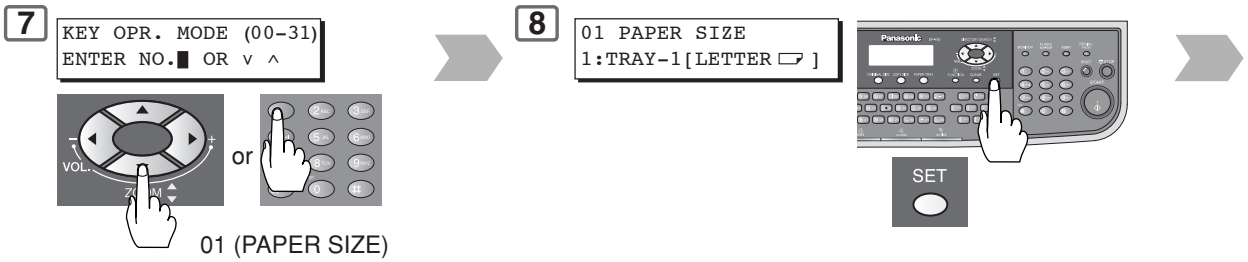
Function

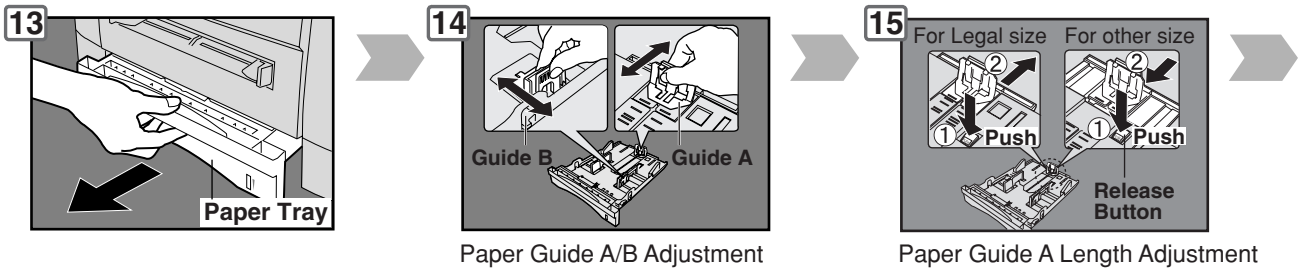
For Example

■ Changing the Paper Size (Paper Tray)

The Paper Trays are designed to accommodate A4, Letter, Legal Size paper.

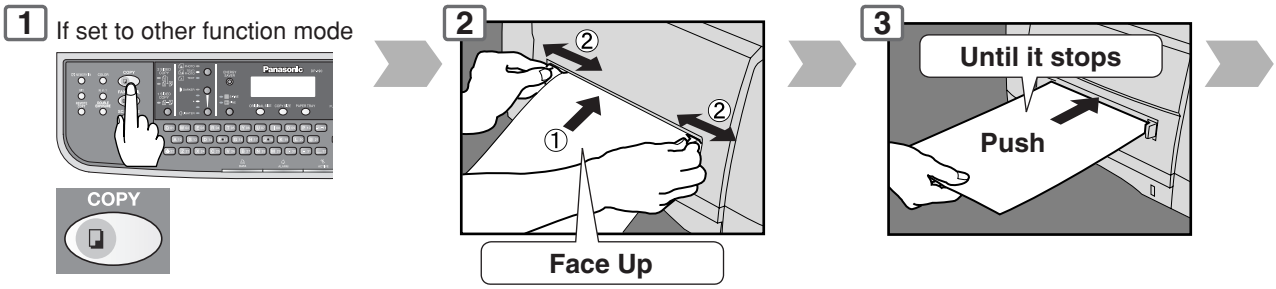






■ Changing the Paper Size (Sheet Bypass)

The Sheet Bypass is designed to accommodate B5, A5, A4, FLS1, FLS2, Invoice, Letter, Legal Size paper and Transparency Film.

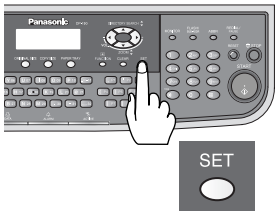


① Feed 1 sheet of paper at a time.
Paper Weight: 16 - 44 lb
② Adjust the width guides.
Incorrect adjustment may cause the paper to wrinkle, misfeed or skew.

NOTE:
For envelope printing details, refer to the Panasonic-DMS Operating Instructions manual included on the CD.

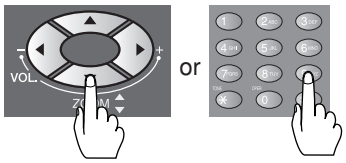
4

```
1:GENERAL SETTINGS
PRESS SET TO SELECT
```



5

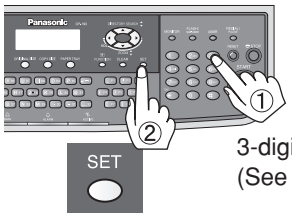
```
GENERAL PARAM. (0-9)
ENTER NO.■ OR v ^
```



9 (09 "KEY OPERATOR MODE")

6

```
09 KEY OPERATOR MODE
ENTER PASSWORD=_■■
```

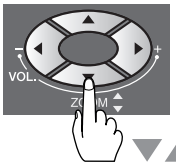


3-digit
(See page 13)

7

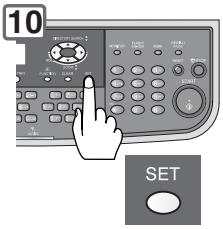
9

```
TRAY-1
LETTER ▭          v ^
```



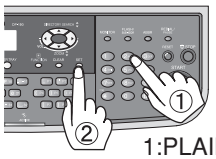
LETTER ▭
A4 ▭
LEGAL ▭

10



11 When selecting Tray-1 with LETTER/A4 size media.

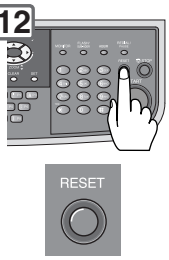
```
PAPER TYPE=PLAIN
1:PLAIN 2:OHP
```



1:PLAIN
2:OHP

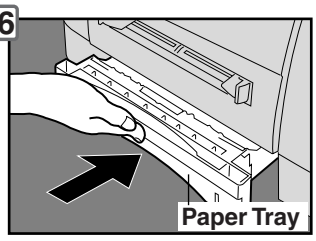
When the optional 2nd Paper Feed Module (TRAY-2) is installed, press the SET Key once and repeat steps 9 to 10.

12



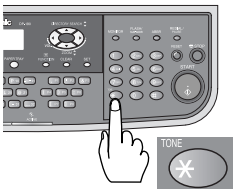
13

16

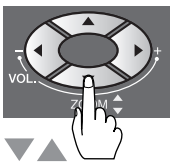


4

```
LTR▭->LTR▭ [LTR▭*]
ZOOM:100% COPIES:001
```

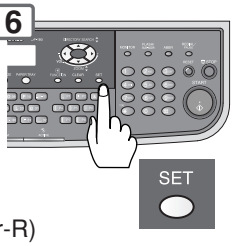


5 Select Paper Size



LETTER ▭ (Letter-R)
INVOICE ▭ (Invoice-R)
FLS1 ▭
FLS2 ▭
A4 ▭
B5 ▭
A5 ▭ (A5-R)
LEGAL ▭

6



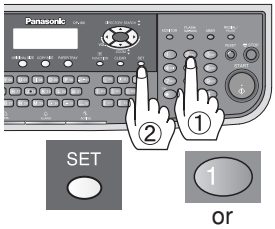
7 Select the Paper Type

For LETTER/A4

```
PAPER TYPE=PLAIN
1:PLAIN 2:HVY 3:OHP
```

Others

```
PAPER TYPE=PLAIN
1:PLAIN 2:HEAVY
```



1 or 2 ABC or 3 DEF

NOTE:
"3:OHP" will be displayed only when paper size for Letter or A4 is selected.

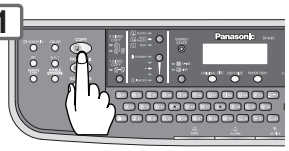
Function

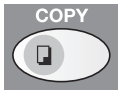
For Example

■ Department Counter

The Department Counter feature can limit the number of copies, administer counters and Identification Code numbers for each department. (Maximum Number of Departments: 50)
Contact your authorized service provider to enable the Department Counter feature.

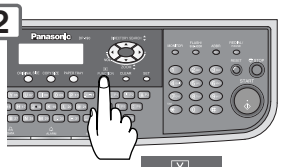
1





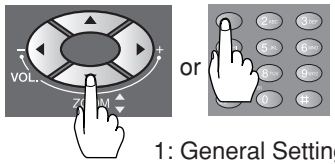
If set in other function mode

2



3

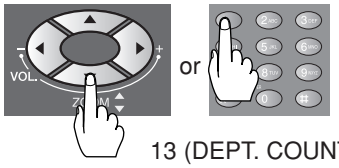
```
FUNCTION MODE (1-2)
ENTER NO. OR v ^
```



1: General Settings

7

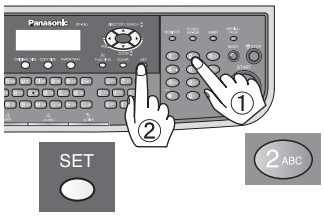
```
KEY OPR. MODE (00-31)
ENTER NO.■ OR v ^
```



13 (DEPT. COUNTER MODE)

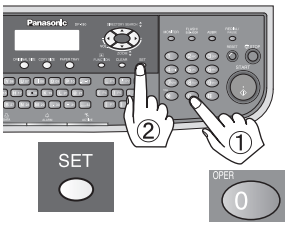
8

```
13 DEPT. COUNTER MODE
1: TOTAL COUNTER
```



11 **For Department Counter**

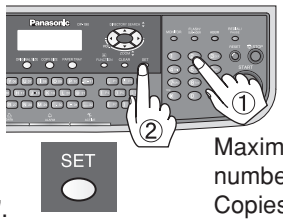
```
DEPT. COUNTER
01:123145
```



Clear the counter to "0".

For Maximum Copies

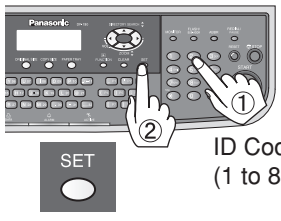
```
MAX COPIES
01:12345678
```



Maximum number of Copies (8-digit)

For ID (Identification) Code

```
ID CODE
01:12345678
```



ID Code (1 to 8-digit)

■ Network Settings

When the Parameter No. "22 DHCP DEFAULT" is set to "INVALID", the Key Operator must administer the following Network settings manually.
Enter these required Network setting: 19 (TCP/IP ADDRESS), 20 (TCP/IP SUBNET MSK) and 21 (TCP/IP G/W ADDR), in the same manner as shown in the following example.

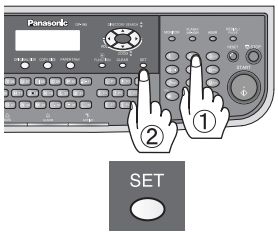
1 Same procedure as in steps 1 to 6 above.

5

```
19 TCP/IP ADDRESS
■
```

→

```
19 TCP/IP ADDRESS
192.168.1.100
```

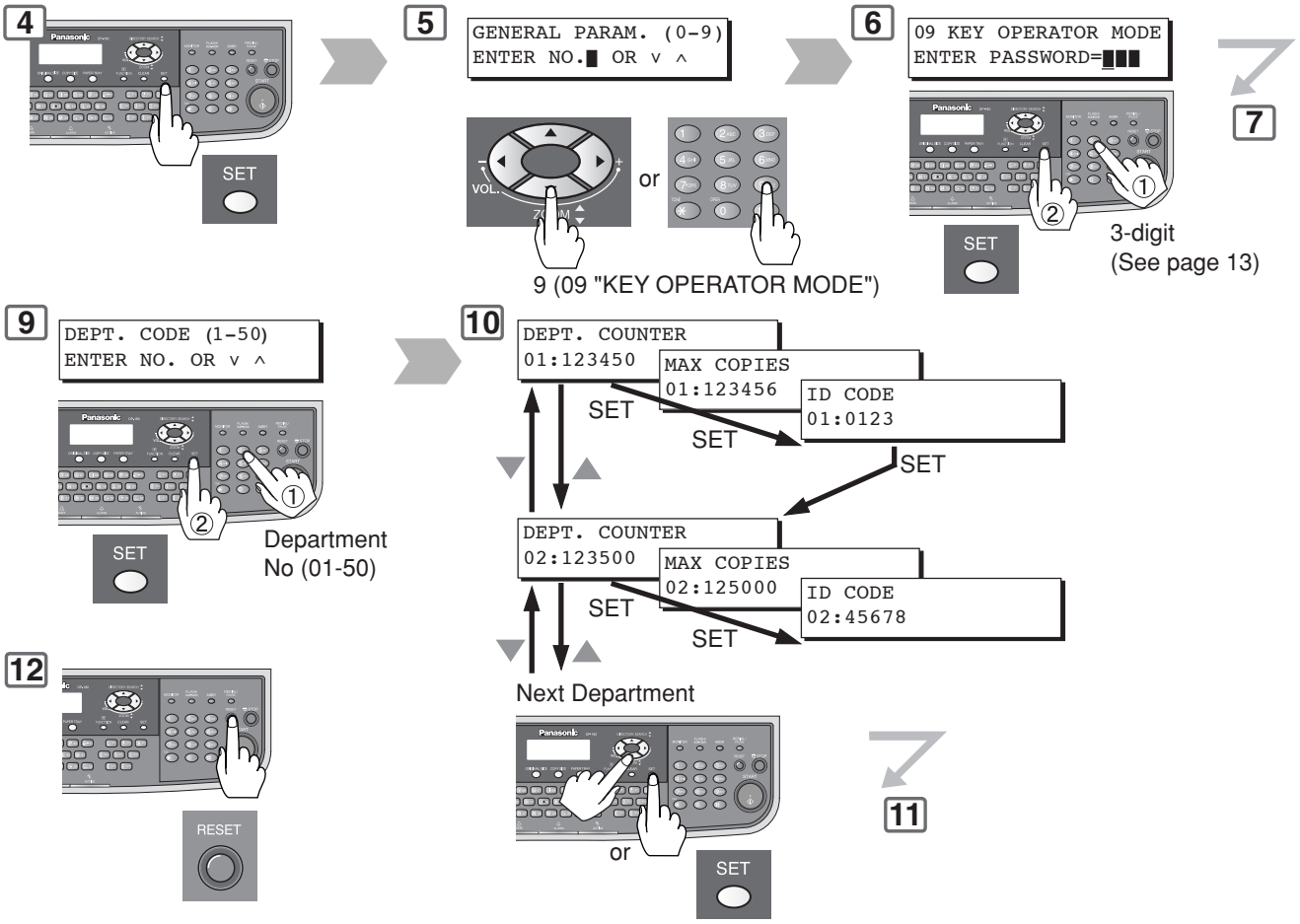


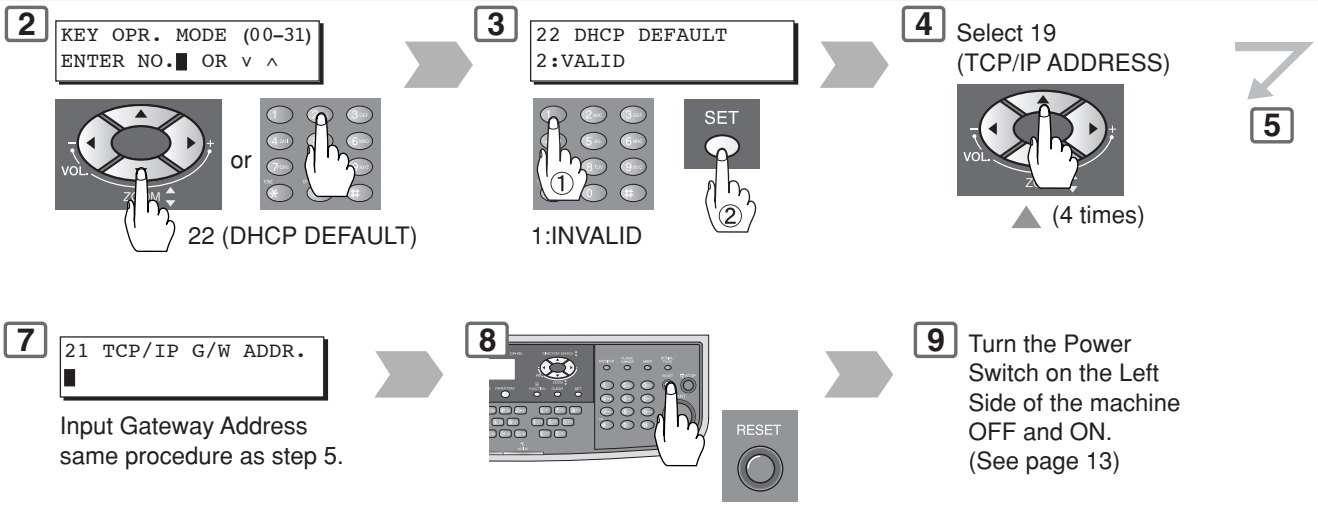
Input the TCP/IP Address
Ex.: 192.168.1.100
Use the " ∗ " key to enter a period.
1 → 9 → 2 → ∗
→ 1 → 6 → 8 → ∗
→ 1 → ∗ → 1 → 0 → 0

6

```
20 TCP/IP SUBNET MSK
■
```

Input Subnet Mask same procedure as step 5.


4
SET
5
GENERAL PARAM. (0-9)
ENTER NO.■ OR ∨ ∧
VOL.
or
9 (09 "KEY OPERATOR MODE")
6
09 KEY OPERATOR MODE
ENTER PASSWORD=■■■
SET
3-digit
(See page 13)
7
9
DEPT. CODE (1-50)
ENTER NO. OR ∨ ∧
SET
Department
No (01-50)
10
DEPT. COUNTER
01:123450
MAX COPIES
01:123456
ID CODE
01:0123
SET
SET
SET
DEPT. COUNTER
02:123500
MAX COPIES
02:125000
ID CODE
02:45678
SET
SET
Next Department
12
RESET
or
SET
11

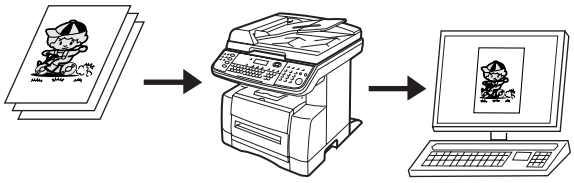

2
KEY OPR. MODE (00-31)
ENTER NO.■ OR ∨ ∧
VOL.
or
22 (DHCP DEFAULT)
3
22 DHCP DEFAULT
2:VALID
SET
1:INVALID
4
Select 19
(TCP/IP ADDRESS)
VOL.
▲ (4 times)
5
7
21 TCP/IP G/W ADDR.
■
Input Gateway Address
same procedure as step 5.
8
RESET
9
Turn the Power
Switch on the Left
Side of the machine
OFF and ON.
(See page 13)

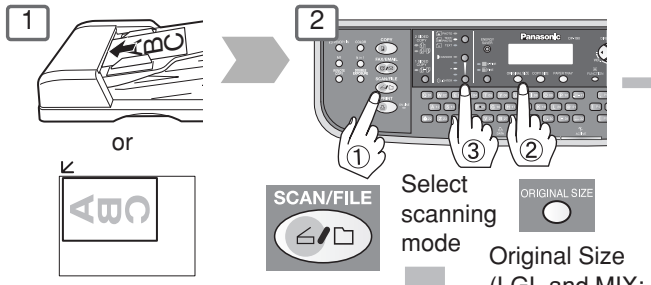
■ Document Scanning

When the Panasonic Document Management System (Panasonic-DMS) is installed and configured on your PC, document(s) can be scanned from the machine to the PC.

Direct Connection
(with Crossover Cable, see page 54)

- Document Scanning directly from the machine to your PC using Windows “My Network Places” or “Network Neighborhood”.
  NOTE:
  USB Port is used for printing only, and is not available for local scanning.





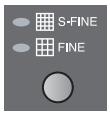
MIX:
Mixed size originals, such as LEGAL, LETTER-R, and LEGAL are automatically detected and scanned.

NOTE
If the PC's IP address is not shown on the LCD of the machine, register the PC's IP Address using the machine's Control Panel. (See page 48)

- ONE-TOUCH or ABBR No.

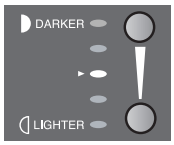
Selecting the Scanning Resolution

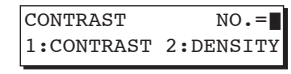
Monochrome/Color
STANDARD: 150 x 150 dpi*/75 x 75 dpi
* Only available when Original setting at TEXT mode. (See page 25)



FINE : 300 x 300 dpi/150 x 150 dpi
S-FINE : 600 x 600 dpi/300 x 300 dpi
(STANDARD: When the FINE/S-FINE indicator is not lit.)

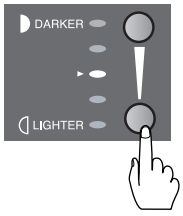
For Monochrome Scanning





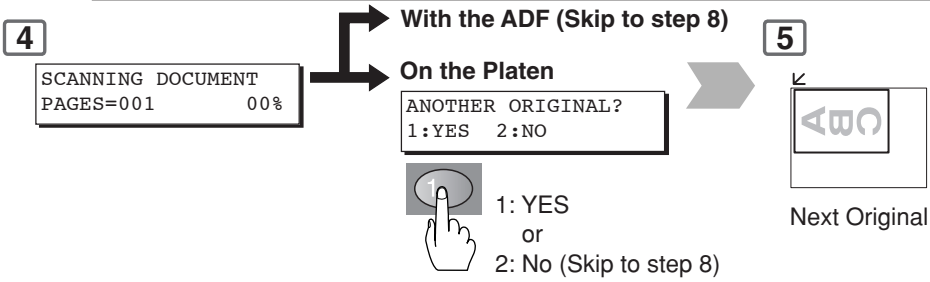
① Press Exposure Keys (Darker/Lighter).
② Select "1" for Contrast or "2" for Density.
③ Adjust Contrast or Density with Exposure Keys (Darker/Lighter).
④ Press SET Key.

For Color Scanning



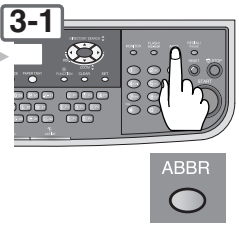
Color (lights)
▼▲
Monochrome

When adding a file name, selecting the compression format or gray scale mode. **(See page 50)**

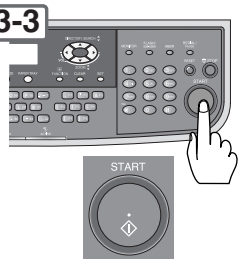


Select a Station (PC's IP Address)

ABBR



ABBR No.
(2-digit)



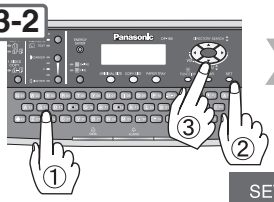
4

```
ABBR [_ ]
ENTER ABBR No.
```

```
[01]SALES
10.74.252.66
```

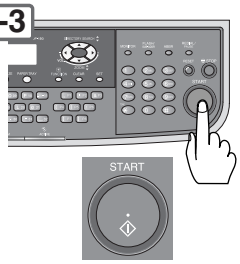
```
SCANNING DOCUMENT
PAGES=001        01%
```

DIRECTORY SEARCH



Enter a letter(s) of a name you wish to search

SET



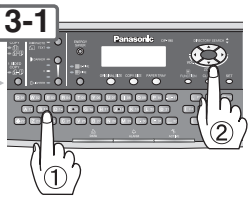
4

```
ENTER LETTER (S)
_
```

```
ENTER LETTER (S)
SA_
```

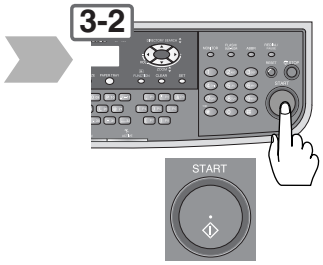
```
[06]SALES 3
[05]SALES 2
[01]SALES
10.74.252.66
```

QUICK NAME SEARCH*



Enter a letter of a name you wish to search

② Select a station

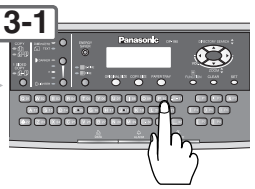


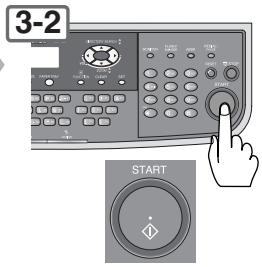
4

```
[06]SALES 3
[05]SALES 2
[01]SALES
10.74.252.66
```

* Available only when the Fax Parameter No. 119 setting is set to "1: ONE TOUCH" or "2: QUICK NAME SEARCH".

ONE-TOUCH*



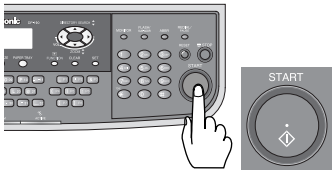


4

```
<10>PANA
10.74.252.63
```

6

```
PRESS START
LETTER
```



7

```
ANOTHER ORIGINAL?
1:YES  2:NO
```

1:YES
Continues to scan another original(s), repeat steps 5 and 6.
2:NO
None next original.

8

```
DATA IS BEING
TRANSFERRED TO PC
```

```
TRANSFER COMPLETED
```

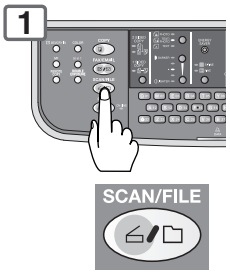
Network Scanner

Address Book

■ Adding your PC's IP Address

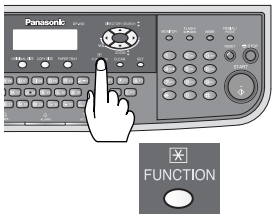
If the Scanner Configuration is not set with the Panasonic Communications Utility of Panasonic-DMS software (refer to Panasonic-DMS CD-ROM), input your PC's IP Addresses using the machine's Keyboard.

1



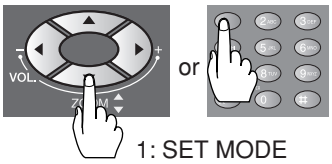
2

```
MAY-02-2004 04:28
READY TO SCAN
```



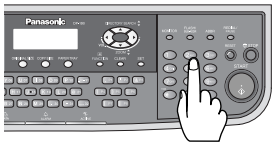
3

```
FUNCTION      (1-2)
ENTER NO. OR v ^
```



7

```
1:ONE-TOUCH
2:ABBR NO.
```



1 :One-Touch

or

2 ABC :ABBR No.

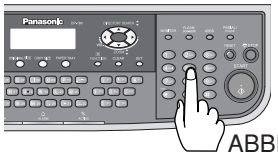
8 **For ONE-TOUCH**

```
ONE-TOUCH<  >
PRESS ONE-TCH OR v ^
```

One-Touch Key*

For ABBR No.

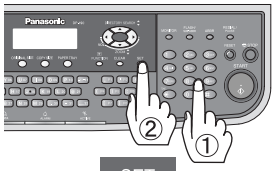
```
ABBR [_ ]
ENTER NO. OR v ^
```



ABBR No.

9

```
IP ADDRESS    <13>
```



SET 0-9, ∗

ex. 10.74.252.66

1→0→∗→7→4→∗→2→5→2→∗→6→6

When changing a number, move the cursor (▮) over the number you wish to change and overwrite it with a New number.

NOTE:

* If your machine sounds an alarm (pi-pi-pi) in Step 8, this indicates that the One-Touch has already been registered for a Fax/Email station.

■ Editing/Erasing your PC's IP Address

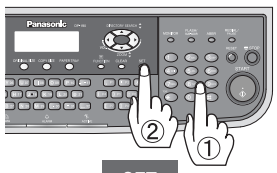
If you have to change or erase any of the Address Book stations, follow the steps below.

1

Follow the same procedures as steps 1 to 8 above, “Adding your PC's IP Address”.

2 **For Editing**

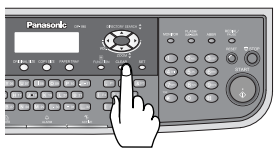
```
IP ADDRESS    <13>
10.74.252.66
```



SET When changing a number, move the cursor (▮) over the number you wish to change and overwrite it with a New number.

2 **For Erasing**

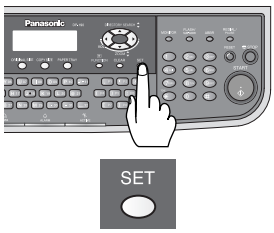
```
IP ADDRESS    <13>
10.74.252.66
```



CLEAR

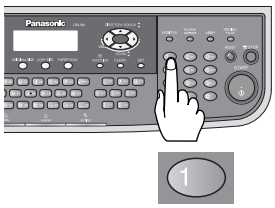
4

```
1:SET MODE?
PRESS SET TO SELECT
```



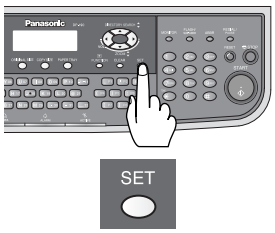
5

```
SET MODE       (1-2)
ENTER NO. OR v ^
```



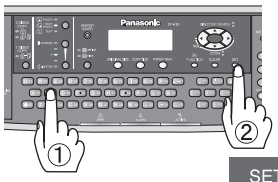
6

```
1:ADDRESS BOOK ?
PRESS SET TO SELECT
```



7

10



Enter a Station Name

```
STATION NAME  <13>
SALES
```

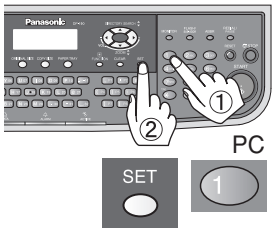
(Max. 40 characters)

When inputting a special character, press the "_/()···" Key and use the (▲/▼) Cursor Keys to select a character.

When changing the stored character, move the cursor (▮) back to the character and press the CLEAR Key then input a new character.

11

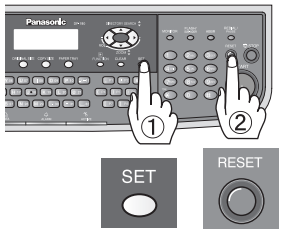
```
DESTINATION : PC
1:PC 2:FTP
```



FTP: Consult with your network administrator.

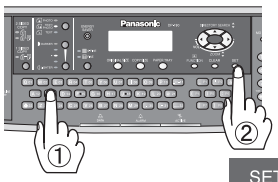
12

```
PORT NUMBER
6509
```



When continuously registering ONE-TOUCH/ABBR No., repeat step 8 to 12- ①.

3



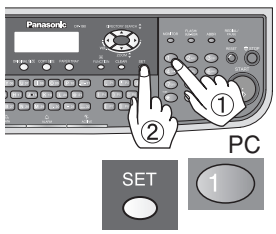
Enter a new Station Name

```
STATION NAME  <13>
SALES 01
```

(Max. 40 characters)

4

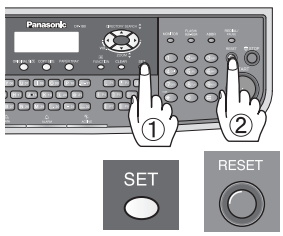
```
DESTINATION : PC
1:PC 2:FTP
```



FTP: Consult with your network administrator.

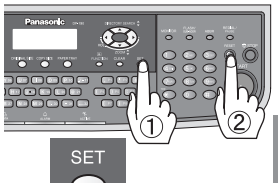
5

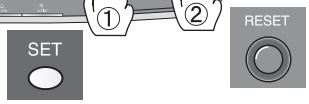
```
PORT NUMBER
6509
```



3

```
IP ADDRESS    <13>
_
```

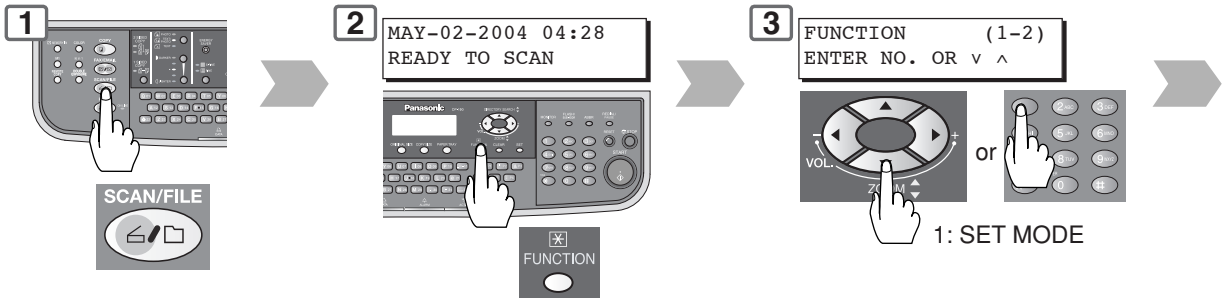


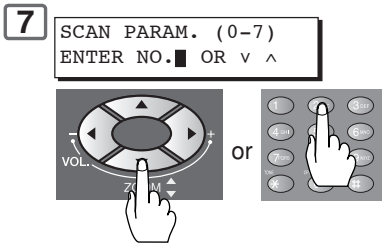


Network Scanner

Function

■ Scan Parameters



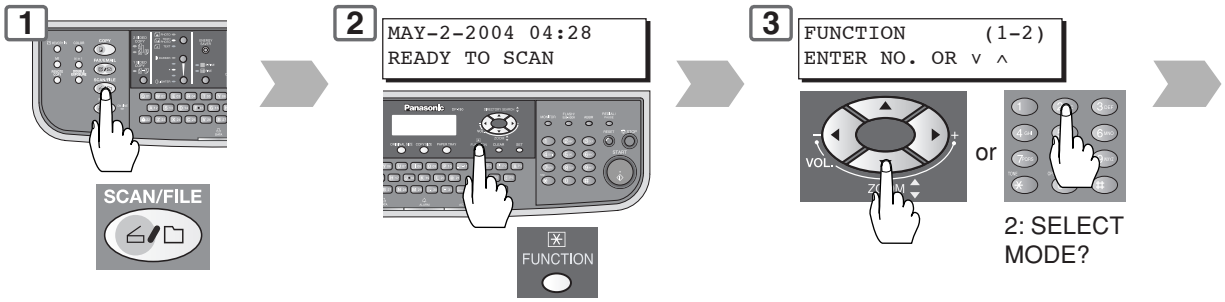


Refer to Function settings on page 41.

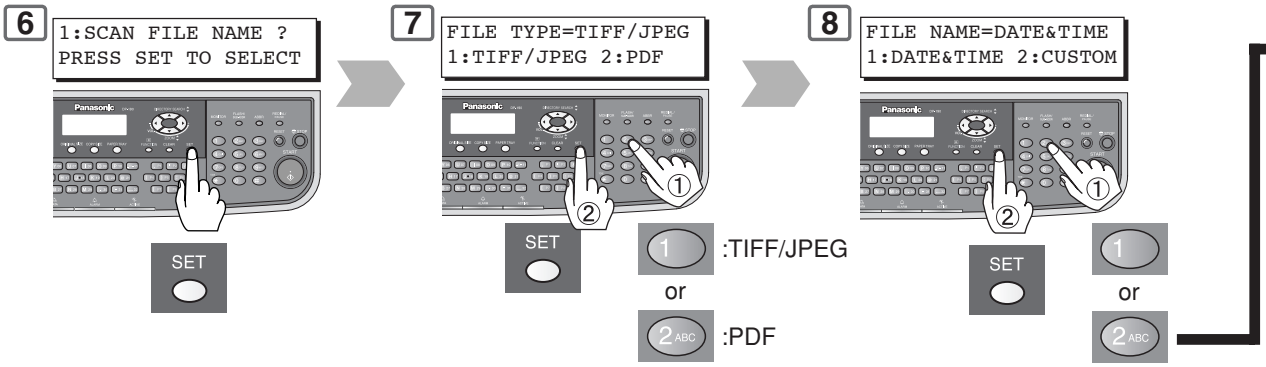
- Prints Scanner Settings List
  Sets Original Mode
  Sets Compression Mode
  Sets Resolution
  Sets File Type/Name

■ Select Mode

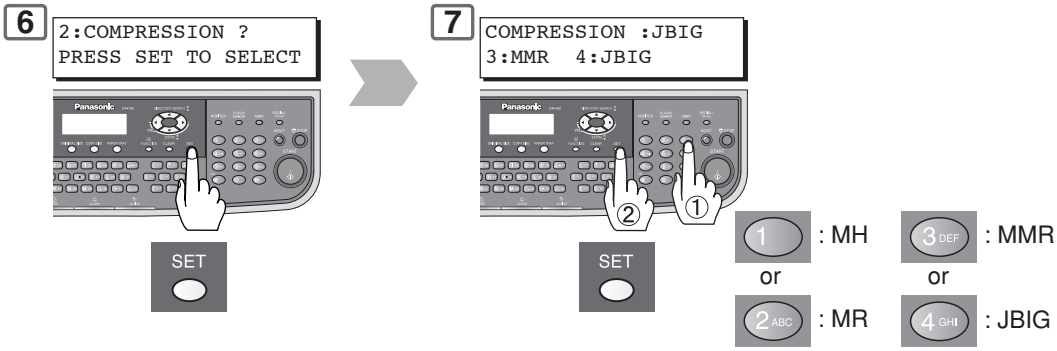
When adding a file name, selecting the compression format or gray scale mode before scanning document(s).

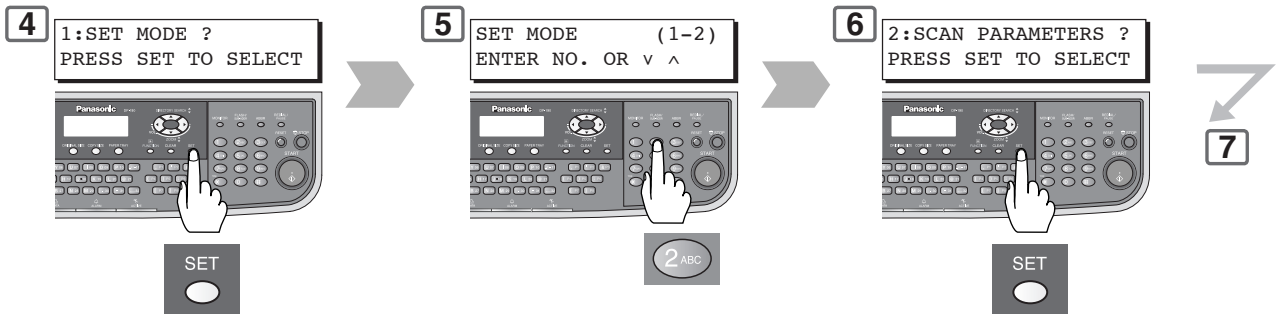


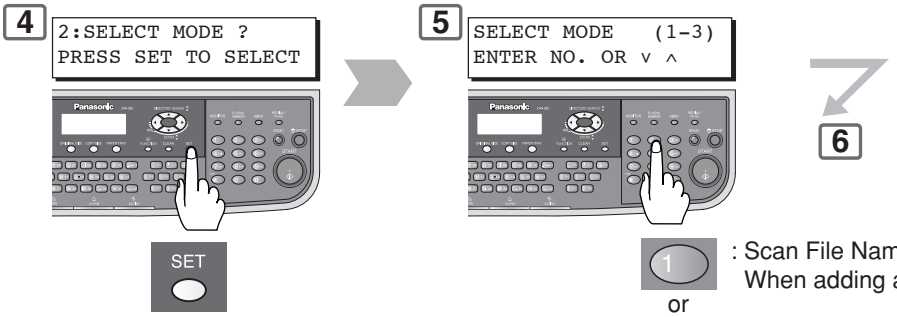
For Scan File Name



For Compression







1 : Scan File Name
When adding a file name.

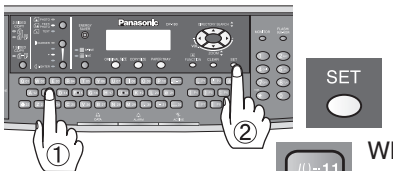
or

2 ABC : Compression
When selecting a compression format.

or

3 DEF : Gray Scale
When scanning the color original with Gray Scale mode.

(When Custom is Selected)

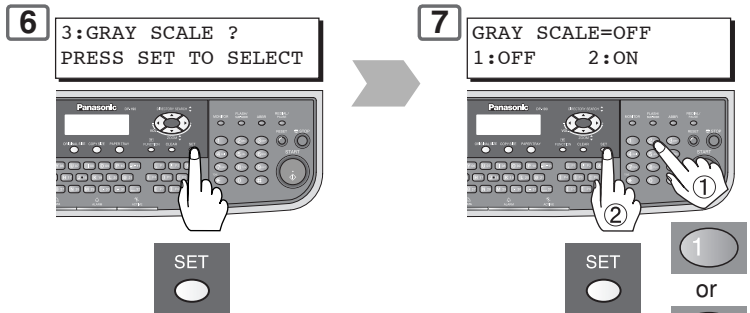



```
SCAN FILE NAME
ENTER NAME
```

/()···11 When inputting a special character, press the "/()···" Key and use the (▲/▼) Cursor Keys to select a character. (Maximum. 40)

CLEAR When changing the stored character, move the cursor (▮) back to the character you wish to replace and press the CLEAR Key then input a new character.

For Gray Scale



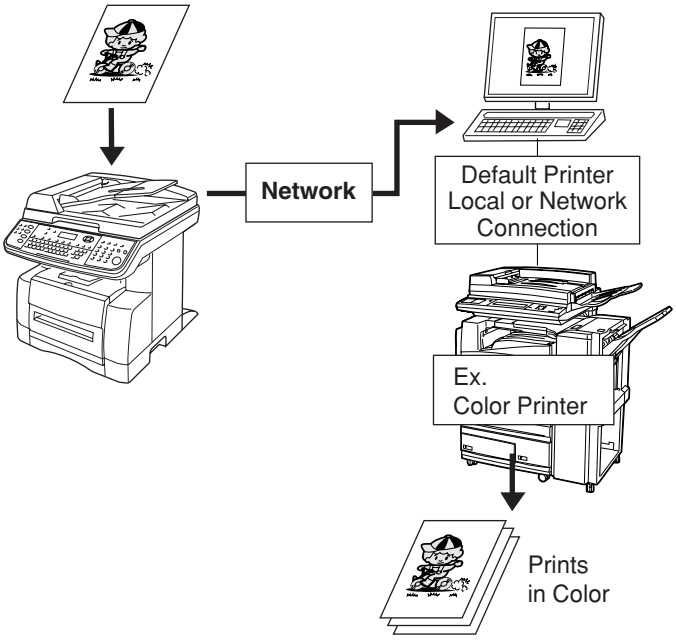
Network Scanner

Remote Copy

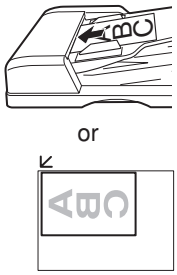
■ Remote Copy

Scanned image data can be printed on other Printers through the PC(s) connected on the network.
When using this function, register the Station (Machine Name/ Printer) (see page 48), the Panasonic-DMS should be installed and Panasonic Communication Utility is configured on the other PC(s).
For Panasonic Communication Utility, refer to Operating Instructions (For Document Management System and Printer).

Ex. Color Document

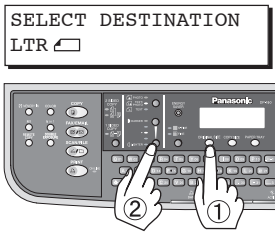


1



or

5



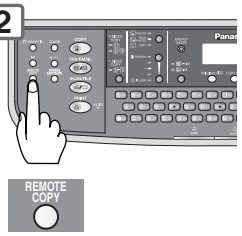
Select scanning mode

- Resolution, Contrast, Density (Color Scanning) only (See page 46).

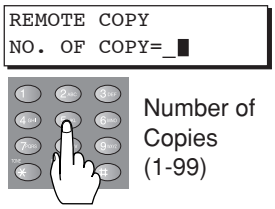
Select Scanning Size (LGL and MIX: with ADF only)

LTR
INV
INV
LGL
MIX

2

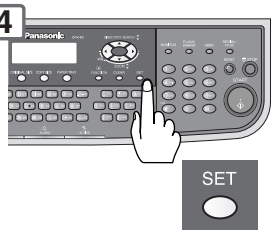


3



Number of Copies (1-99)

4



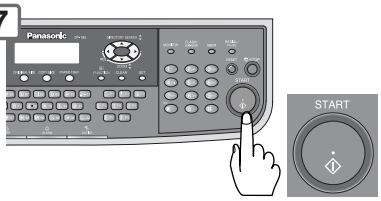
5

6

SELECT DESTINATION
LTR

Select the Remote destination Printer (PC's IP Address) (See page 47)

7



Scanned image data will be transferred to the selected PC.

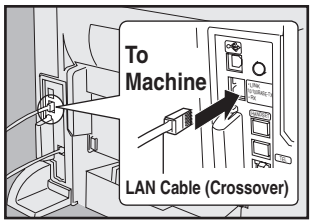
PC will output the received data to the default (desired) printer.

NOTE:
The paper size defaults to the size which has been set by the remote copy configuration and the output printer driver. There are times when the paper size differs from the scanning size assigned in Step 5.
(Refer to the Remote Copy Section on the Operating Instructions for Document Management System and Printer.)

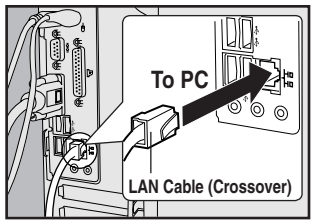
■ Direct Connection (with Crossover Cable)

1 Turn OFF* the Power Switch (Machine and the PC).

2 Connect a Crossover LAN Cable between your machine and the PC.



(Rear Side of Machine)



(Rear Side of PC)

NOTE: Do not use Standard LAN Cable.

5 Turn OFF* and ON the Power Switch (Machine and the PC).

6 Input your PC's IP Address into the Address Book in the machine (see page 48) or into the Panasonic-DMS software (refer to the enclosed CD).

7 Scan the document(s) to your PC. (See page 46)

NOTE:
*If the Hard Disk Drive Unit (DA-HD19) is installed, see page 13.

3

Turn On the Power Switch (Machine and the PC).

4

Input the Network Address (Machine and your PC).

- IP and Gateway Address
  IP: 192.168.0.1 (Machine)
  192.168.0.2 (Your PC)
  Subnet Mask: 255.255.255.0
  (Machine & the PC)
- How to input the network address:
  For your Machine: See page 44
  For your PC: See below

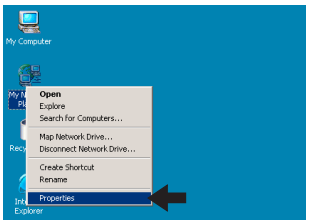
5

NOTE:

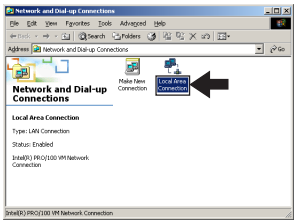
* If you use the DHCP server, select to disable the DHCP server.
Machine : See page 45.
Your PC : Consult your System Administrator.

For more detailed information, refer to Windows OS operating instructions manual.

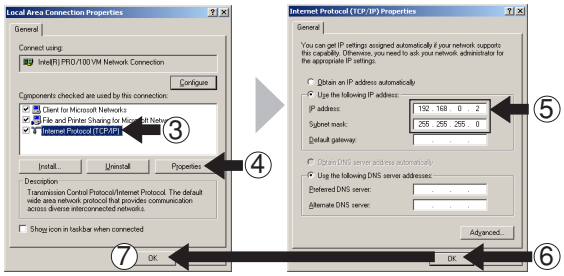
For Windows 2000



① Right click "My Network Places" and select "Properties".



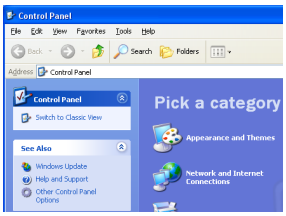
② Right click "Local Area Connection" and select "Properties".



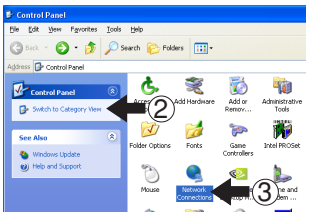
③ Select "Internet Protocol (TCP/ IP)".
④ Click "Properties".
⑦ Click "OK".

⑤ Select "Use the following IP address" then, Input IP Address and the Subnet Mask.
⑥ Click "OK".

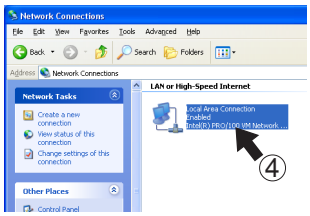
For Windows XP



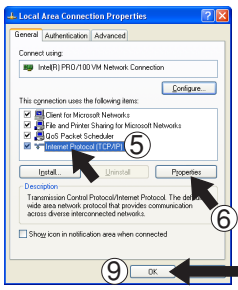
① Open the Control Panel.



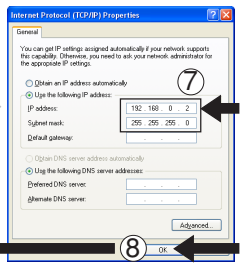
② Select "Switch to Classic View", if using the Category View Mode.
③ Select "Network Connections".



④ Right click "Local Area Connection Enabled ....." and select "Properties".

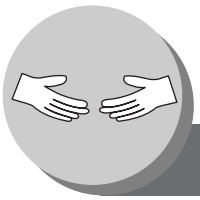


⑤ Select "Internet Protocol (TCP/ IP)".
⑥ Click "Properties".
⑨ Click "CLOSE".



⑦ Select "Use the following IP address" then, Input IP Address and the Subnet Mask.
⑧ Click "OK".

"OK" will be changed to "CLOSE".



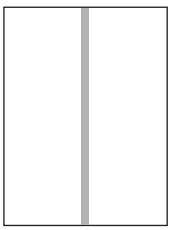
Problem Solving

Troubleshooting

Check	Action
Unit Does Not Operate	
Does the display light?	Check if the Power Switch (Main Power Switch on the Left Side of the machine) is turned ON and if the power cord is plugged into the AC outlet.
Does the Energy Saver key flash (or light) and the display is turned OFF? (See page 32)	Press Energy Saver key on the control panel.
Does any of the U## codes and messages appear on the display? (U1, U13, U16....etc.)	Perform actions in accordance with each message.
Does the Add Paper indicator and message appear on the display?	Add paper. (See page 14)
Does the message and J## Codes appear on the display? (J00, J01, J02,...etc.)	Remove the misfed paper. (See page 18) Be sure to set paper as adjusted with paper guides. (See page 42)
Does E#-## codes and messages appear on the display?	Turn the Power Switch on the Left Side of the machine to the OFF* and ON position. If the error code does not clear, call your Service provider.
The machine would not accept the next job during operation, instructed job would not be accepted for a long time period or job would not be completed.	Turn the Power Switch on the Left Side of the machine to the OFF* and ON position.
	NOTE: * If the Hard Disk Drive Unit (DA-HD19) is installed, see page 13.
Light Copies	
Does the exposure indicator say "LIGHTER"?	Press the DARKER Key. (See page 25)
Does the Toner Cartridge replacement and message appear on the display?	Replace the Toner Cartridge. (See page 16)

Check	Action

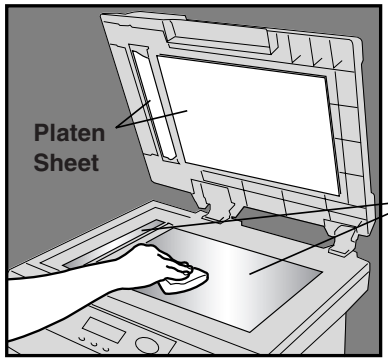
Marked Copies

Is the machine's Platen Glass or Platen Sheet dirty?	Clean the Platen Glass or Sheet. (See below)
Are the machine's ADF Rollers or Separation Rubber dirty?	Clean the ADF Rollers or Separation Rubber. (See below)
Is the original a transparency film or a dark original?	Cover the original with a sheet of white paper before copying or lighten the exposure setting.
If a dark vertical 0.8-1.2 inch (2-3 cm) wide line appears on the printed copy. 	Clean the Corona Wire of the Drum Unit. (See page 17)

■ If the measures outlined above do not solve the problem, call your Service Provider.

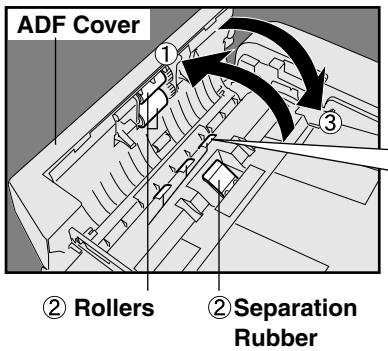
Machine Care

■ As a rule, clean weekly.

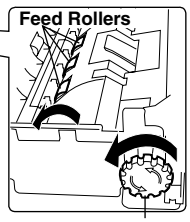


Platen Glass/Platen Sheet
① Wipe marks off with a cloth and a neutral detergent.
② Wipe again with a dry cloth.

■ When the copies are smudged.



Rollers/Separation Rubber
① Open the ADF Cover.
② Clean the Rollers and Separation Rubber with a wet cloth (with water).
③ Close the ADF Cover.



Feed Rollers should be cleaned by turning the Feed Rollers with the Paper Transport Knob.

Problem Solving

Replacing the Battery/Set the Date and Time

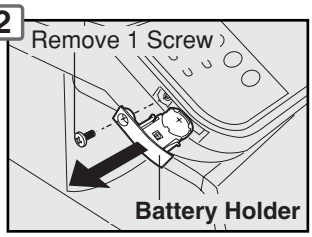
The machine has an internal battery (Product No.: **CR2032**) which maintains the date and time.
In the event the battery requires replacement, the following message will be displayed.

```
REPLACE BATTERY
                U90
```

1

Turn the Power Switch on the Left Side of the machine to the OFF position.
If the Hard Disk Drive Unit (**DA-HD19**) is installed, see page 13)

2



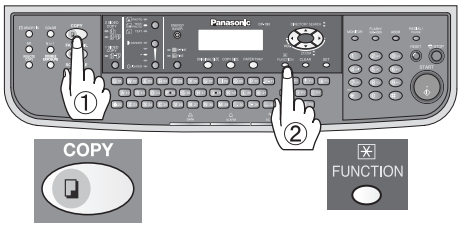
⚠ CAUTION

Keep button batteries and small parts out of reach of children to prevent chocking or poisoning. If a button battery is swallowed accidentally, get medical treatment immediately.

Set the Date and Time continues steps 6 to 13.

When setting the Date and Time, start from step 6.

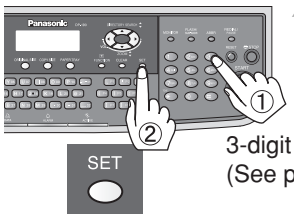
6



If set in other function mode.

10

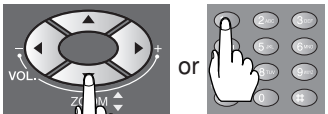
```
09 KEY OPERATOR MODE
ENTER PASSWORD=_■■
```



3-digit
(See page 13)

11

```
KEY OPR.MODE (00-31)
ENTER NO.■ OR v ^
```

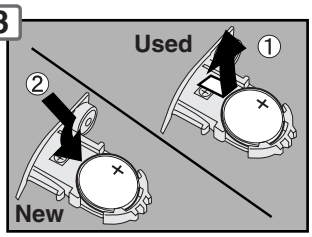


17 (DATE & TIME)

NOTE

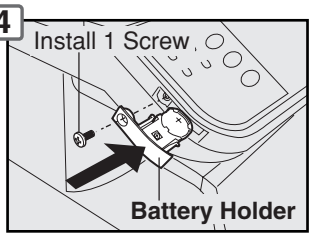
● The service life of the battery is approximately 1 year under normal use.

3



"+" side of battery should be facing upwards. (Observe the polarity, see **CAUTION!** below)

4



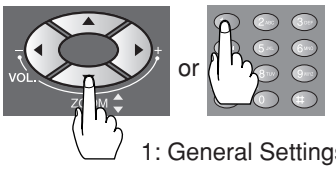
5

Turn the Power Switch on the Left Side of the machine to the ON position.

6

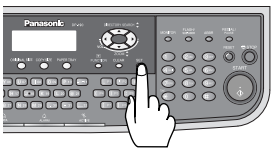
7

```
FUNCTION MODE (1-2)
ENTER NO. OR ∨ ∧
```



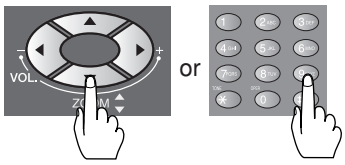
1: General Settings

8



9

```
GENERAL PARAM.(0-9)
ENTER NO.▌ OR ∨ ∧
```

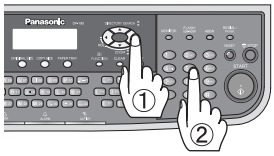


10

9 (09 "KEY OPERATOR MODE")

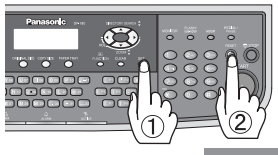
12

```
17 DATE & TIME
   05-02-2004 00:01
```



Move the cursor (_) under the Month/Date/Year/ Time that you wish to change, then input the new data using the Keypad.

13



⚠ CAUTION

denotes hazards that could result in minor injury or damage to the machine.

- THIS PRODUCT CONTAINS A LITHIUM BATTERY. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE. "IMPROPER USE OR REPLACEMENT MAY CAUSE OVERHEATING, RUPTURE OR EXPLOSION RESULTING IN INJURY OR FIRE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS OF YOUR LOCAL SOLID WASTE OFFICIALS AND LOCAL REGULATIONS"

Appendix

Specifications

■ DP-190 (For Copier)

Type:	Desk Top
Platen Type:	Fixed
Acceptable Originals:	Sheets (Max. Legal size, with the ADF only), Books
Copying Method:	Laser Electrophotography
Fusing Method:	Heat Roller
Imaging Method:	1 Component Non Magnetic Dry Toner Contact Developing
Resolution:	Max. 600 dpi
Operation Panel:	LCD Display
Copy Size:	Legal - Letter via Paper Tray / Legal - Invoice via Sheet Bypass
Void Area:	Max. 0.2″ (5 mm)
Warm Up Time:	Approx. 18 seconds (68°F/20°C, Shutdown Mode)
First Copy Time:	Approx. 10 seconds (Letter, from 1st Tray)
Multi-Copy Speed:	19 cpm (Letter size)
Enlargement Ratios:	Preset: 129%, 155% Variable: from 101% to 200% in 1% increments
Reduction Ratios:	Preset: 79%, 65%, 61% Variable: from 99% to 50% in 1% increments
Paper Feed:	Paper Trays (250 sheets Standard + 550 sheets Option) + Single Sheet Bypass ● Transparency film should feed from standard paper tray (Tray-1/ 20 sheets) and Sheet Bypass (1 sheet).
Paper Weight:	Paper Tray: 16 - 28 lb / 20 - 24 lb (2-Sided Copy) Bypass: 16 - 44 lb
Quantity Selector:	Max. 999 sheets (Output Tray capacity is 150 sheets*)
Electrical Consumption:	AC 120V, 60Hz, 8A
Power Consumption:	Max. 900 W
Dimensions (W)(D)(H):	18.2 x 19.9 x 20.6" (with ADF)
Mass (Weight):	48.5 lb (22 kg) (with ADF)
Operating Environment:	Temperature: 50 - 86°F (10 - 30°C) [Humidity should be 70% or less at 86°F (30°C)] Relative Humidity: 30 - 80% [Temperature should be 80°F (27°C) or less at 80% RH]

*When used only with Panasonic's recommended Letter size paper.

■ ADF (Standard)

Tray Capacity:	Letter, Invoice : 50 sheets (20 lb) Legal : 30 sheets (20 lb)
Paper Size:	Invoice/Letter/Legal
Paper Weight:	14 – 28 lb
Electrical Requirements:	Supplied from the machine

Specifications

■ Network Scanner (Standard)

Scanning Type:	CCD Image Sensor (ADF/Platen)
Scanning Speed: (w/o Transmission Time)	Monochrome: 2.7 sec. (Letter) Color: 11 sec. (Letter)
Resolution (dpi/Monochrome):	Standard (150x150) / Fine (300x300) / SuperFine (600x600)
Resolution (dpi/Color):	Standard (75x75) / Fine (150x150) / SuperFine (300x300)
Max Scanning Area (Platen):	8.5 x 11.69"
Max Scanning Area (ADF):	8.5 x 14" (Legal size with ADF only)
Duplex Scan:	No
Scanning Mode:	Text, Text/Photo, Photo
Scale:	Bi-level / 256 level Gray Scale / 24-bit Color
Compression Format:	Monochrome: MH, MR, MMR, JBIG (256 Gradation) Color: JPEG
File Format:	Monochrome: Multi page TIFF, PDF Color: JPEG, PDF
Send to Station (PC):	Yes (Single Address only)
Send to Station (FTP):	Yes (Single Address only)
Send to Station (Remote Copy):	Yes (Single Address only)
Pop up Notification:	Yes
Protocol:	LPR, TCP/IP
Applicable OS:	Windows 98 / Me / NT 4.0 / 2000 / XP

■ 2nd Paper Feed Module (DA-DS188) (Option)

Paper Size:	Letter/Legal
Paper Weight:	16 - 28 lb / 20 - 24 lb (2-Sided Copy)
Electrical Requirements:	Supplied from the machine
Dimensions (W)(D)(H):	18.2 x 18.5 x 5.5"
Mass (Weight):	11 lb (5 kg)

● Specifications are subject to change without notice.

■ Combined Function Table

First Selections \ Next Selections	1 ➡ 2	2 ➡ 1	2 ➡ 2	N in 1	Zoom	Digital Skyshot	Double Exposure
1 ➡ 2	A	A	A	◎	◎	A	A
2 ➡ 1	A	A	A	A	◎	A	A
2 ➡ 2	A	A	A	A	◎	A	A
N in 1	◎	A	A	A	◎	A	A
Sort	◎	◎	◎	◎	◎	◎	◎
Zoom	◎	◎	◎	◎	—	A	◎
Digital Skyshot	◎	×	×	◎	◎	—	A
Double Exposure	×	×	×	×	◎	A	A

◎ : Possible Combined Functions.
× : Unavailable Combined Functions.
A : Next Selection is Carried Out.
— : Function that can't be performed.

NOTE: Sort function should be set by the Function Parameter.

Appendix

Options and Supplies

■ Options

Part Name	Part No.	Remarks
2nd Paper Feed Module	DA-DS188	For Additional Paper Feeding (Tray-2)
Stand	DA1D190	Stand for DP-190
Image Memory (16 MB)	DA-SM16B	For Electronic Sorting
Image Memory (64 MB)	DA-SM64B	For Electronic Sorting
Image Memory (128 MB)	DA-SM28B	For Electronic Sorting
Expansion Flash Memory Card, 4 MB	UE-410047	Additional Page Memory for Fax Communication Board
Expansion Flash Memory Card, 8 MB	UE-410048	Additional Page Memory for Fax Communication Board
8 MB Expansion Board	DA-EM600	Additional Expansion Board for PCL and PS Printing
Handset Kit	UE-403172	Telephone Handset Kit
Verification Stamp	DZHT000027	X-Stamp
Printer Controller Module	DA-PC188	Printer Controller for PCL6
Multi Page Description Language Controller Module	DA-MC188	Printer Controller for PCL6/PS3
Hard Disk Drive Unit	DA-HD19	For DP-190
Accounting Software	DA-WA10	For Accounting function

■ Supplies

Part Name	Part No.	Remarks
Drum Unit	DQ-UH35H	Drum Unit for DP-190
Toner Cartridge	DQ-UG17H	Toner Cartridge for Drum Unit (DQ-UH35H)

IMPORTANT INFORMATION

When requesting information, supplies or service always refer to the model and serial number of your machine. The model and serial number plate (Main Name Plate) is located on the rear side of machine. For your convenience, space is provided below to record information you may need in the future.

Model No.

Serial No.

Date of Purchase

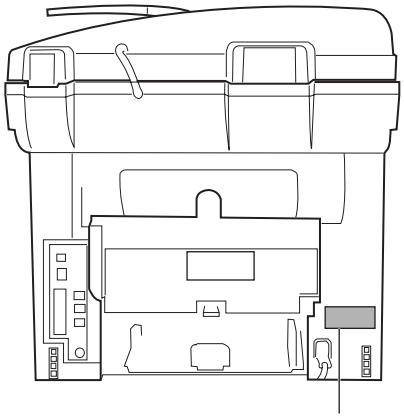
Dealer

Address

Telephone Number
( )

Supplies Telephone Number
( )

Service Telephone Number
( )



Model and Serial Number

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Appendix

Energy Star

As an **ENERGY STAR**® Partner, Panasonic has determined that this product meets the **ENERGY STAR**® guidelines for energy efficiency.

This voluntary program specifies certain energy consumption and usage standards. This product will automatically “power down” after a specified period of non-use. The use of this **ENERGY STAR**® compliant product will reduce energy consumption and ultimately benefit the environment.

The default functions can be adjusted depending on your office requirements. Please ask your authorized Panasonic dealer for more details.

USA Only

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http://www.panasonic.ca

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